

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072721\
 Data File : BN015705.D
 Acq On : 27 Jul 2021 15:41
 Operator : CG/JU
 Sample : M3186-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 AREA-1-(0-5)

Manual Integrations
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Quant Time: Jul 27 16:10:51 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN072521.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 27 13:51:38 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.688	152	15055	0.400	ng	0.00
7) Naphthalene-d8	10.470	136	72051	0.400	ng	0.00
13) Acenaphthene-d10	14.319	164	42479	0.400	ng	0.00
19) Phenanthrene-d10	17.078	188	83660	0.400	ng	0.00
29) Chrysene-d12	21.291	240	73959	0.400	ng	# 0.01
35) Perylene-d12	23.587	264	73606	0.400	ng	0.02
System Monitoring Compounds						
4) 2-Fluorophenol	5.309	112	12666	0.318	ng	0.02
5) Phenol-d6	6.877	99	15706	0.328	ng	0.00
8) Nitrobenzene-d5	8.835	82	17421	0.322	ng	0.00
11) 2-Methylnaphthalene-d10	12.065	152	36435	0.331	ng	0.00
14) 2,4,6-Tribromophenol	15.816	330	6254	0.341	ng	0.00
15) 2-Fluorobiphenyl	12.949	172	50976	0.304	ng	0.00
27) Fluoranthene-d10	19.117	212	77279	0.337	ng	0.00
31) Terphenyl-d14	19.723	244	59484	0.344	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.521	128	21711	0.113	ng	99
12) 2-Methylnaphthalene	12.140	142	12194	0.097	ng	97
16) Acenaphthylene	14.040	152	118170	0.643	ng	99
17) Acenaphthene	14.383	154	10331	0.084	ng	94
18) Fluorene	15.385	166	22029	0.147	ng	# 78
25) Phenanthrene	17.115	178	248470	1.006	ng	100
26) Anthracene	17.200	178	86661	0.399	ng	97
28) Fluoranthene	19.147	202	455809	1.657	ng	99
30) Pyrene	19.510	202	488357	1.894	ng	# 96
32) Benzo(a)anthracene	21.270	228	329409m	1.316	ng	
33) Chrysene	21.323	228	328479	1.316	ng	96
34) Bis(2-ethylhexyl)phtha...	21.217	149	87493	0.684	ng	100
36) Indeno(1,2,3-cd)pyrene	25.925	276	198251	0.704	ng	95
37) Benzo(b)fluoranthene	22.896	252	418447	1.634	ng	97
38) Benzo(k)fluoranthene	22.937	252	132829m	0.507	ng	
39) Benzo(a)pyrene	23.481	252	326780	1.419	ng	99
40) Dibenzo(a,h)anthracene	25.935	278	58296	0.253	ng	# 86
41) Benzo(g,h,i)perylene	26.647	276	202793	0.863	ng	100

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

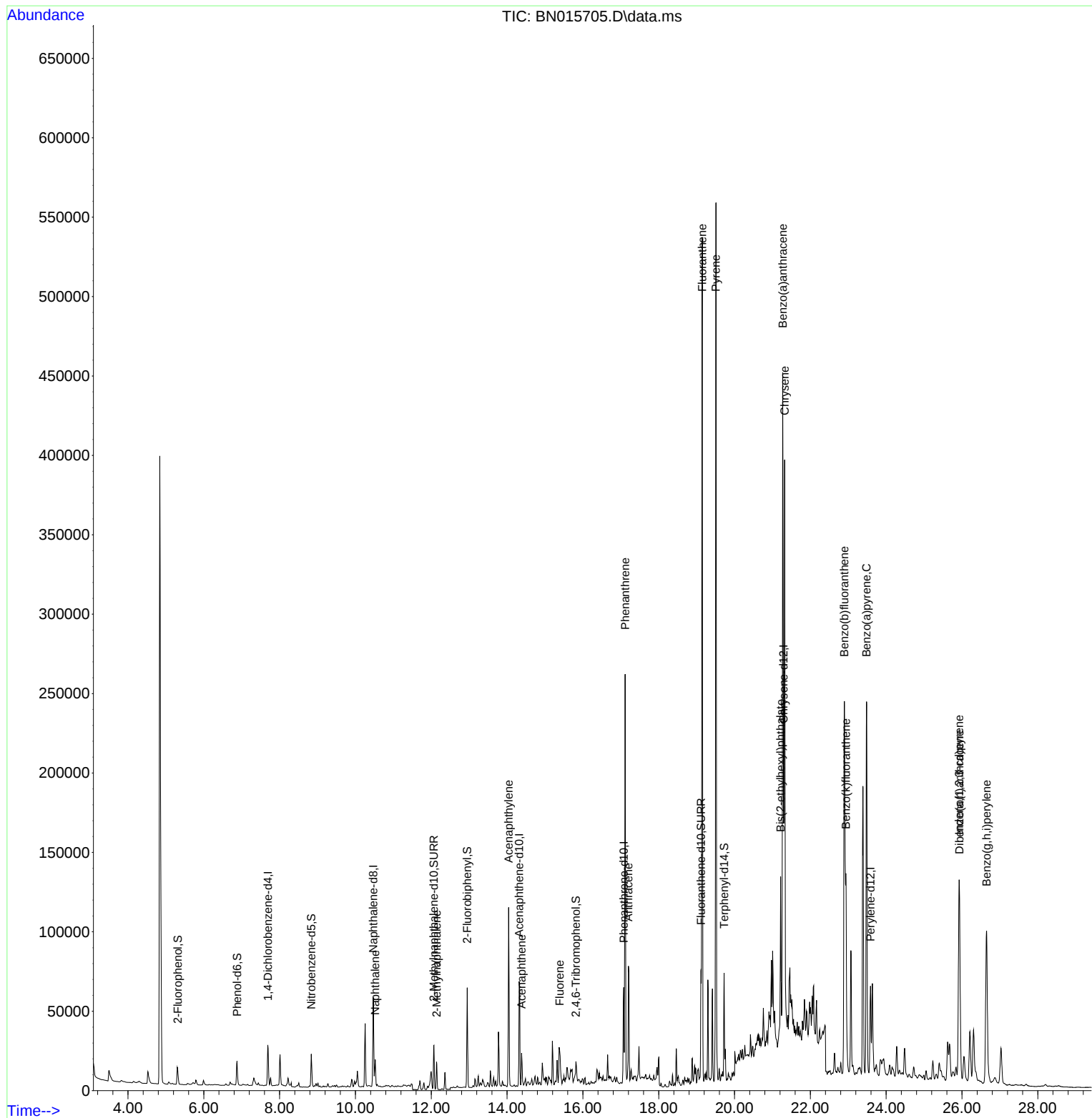
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072721\
Data File : BN015705.D
Acq On : 27 Jul 2021 15:41
Operator : CG/JU
Sample : M3186-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

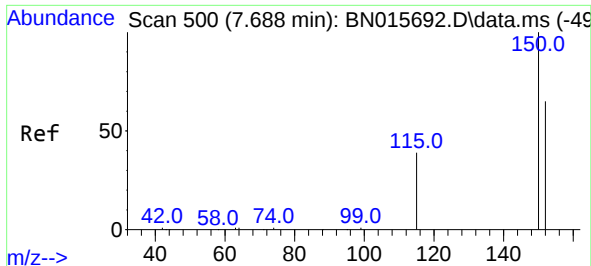
Instrument :
BNA_N
ClientSampleId :
AREA-1-(0-5)

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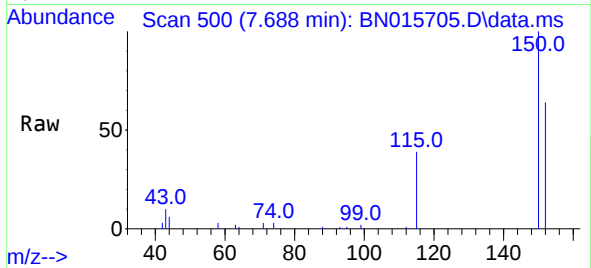
Quant Time: Jul 27 16:10:51 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN072521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 27 13:51:38 2021
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.688 min Scan# 500
Delta R.T. -0.001 min
Lab File: BN015705.D
Acq: 27 Jul 2021 15:41

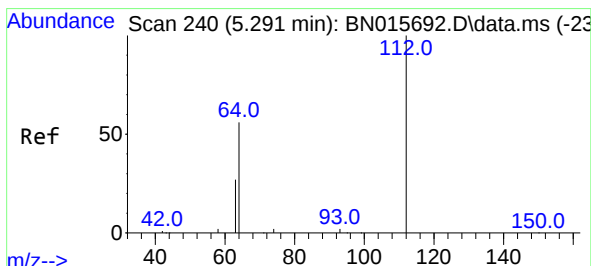
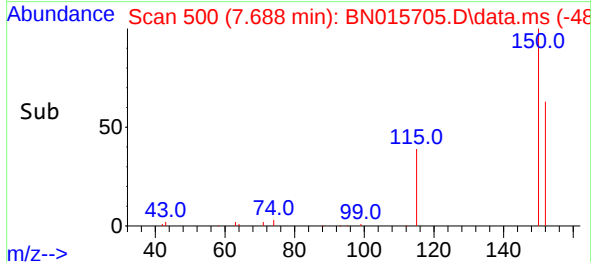
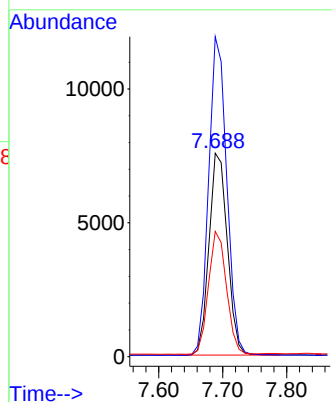
Instrument :
BNA_N
ClientSampleId :
AREA-1-(0-5)



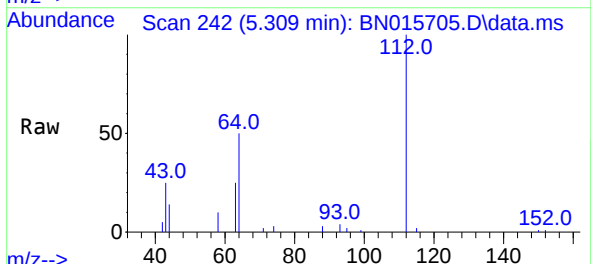
Tgt Ion:152 Resp: 15055
Ion Ratio Lower Upper
152 100
150 157.3 125.2 187.8
115 61.6 48.6 73.0

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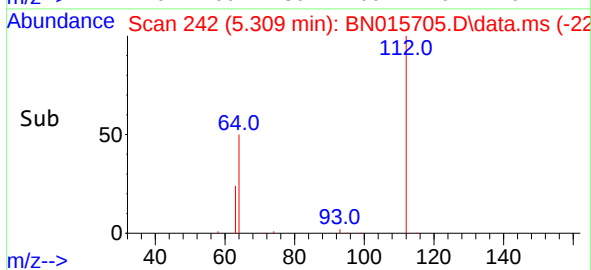
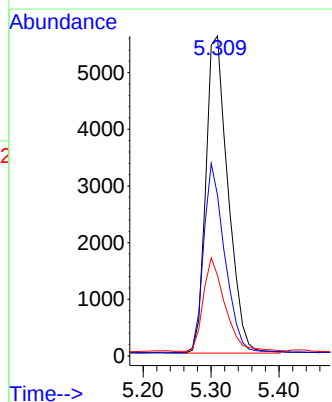
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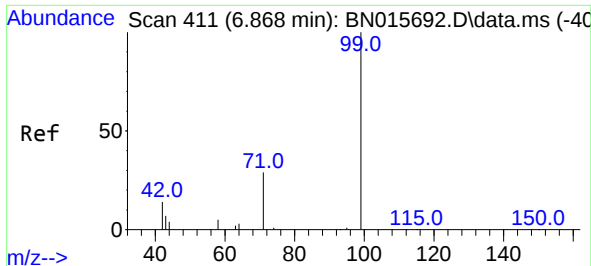


#4
2-Fluorophenol
Concen: 0.318 ng
RT: 5.309 min Scan# 242
Delta R.T. 0.018 min
Lab File: BN015705.D
Acq: 27 Jul 2021 15:41



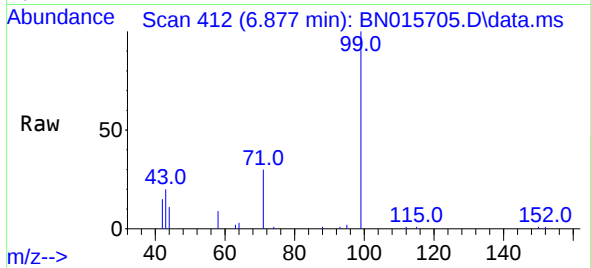
Tgt Ion:112 Resp: 12666
Ion Ratio Lower Upper
112 100
64 56.4 44.8 67.2
63 28.7 22.2 33.4





#5
Phenol-d6
Concen: 0.328 ng
RT: 6.877 min Scan# 412
Delta R.T. 0.009 min
Lab File: BN015705.D
Acq: 27 Jul 2021 15:41

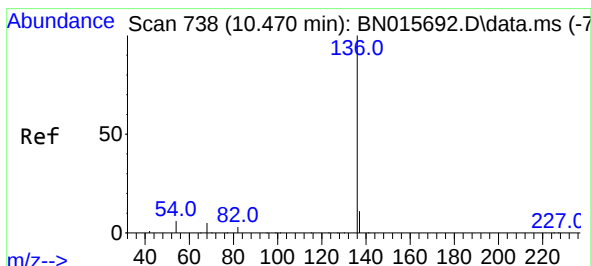
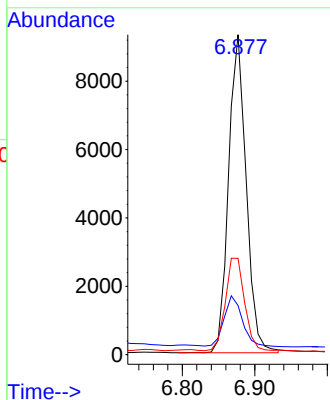
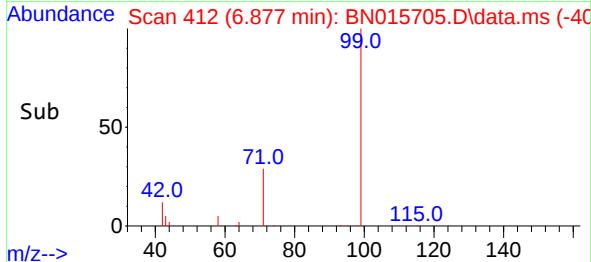
Instrument :
BNA_N
ClientSampled :
AREA-1-(0-5)



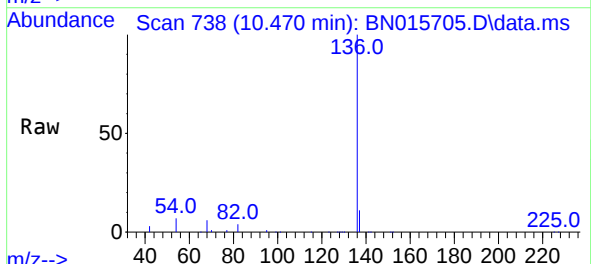
Tgt Ion: 99 Resp: 15706
Ion Ratio Lower Upper
99 100
42 16.5 13.4 20.0
71 31.7 24.5 36.7

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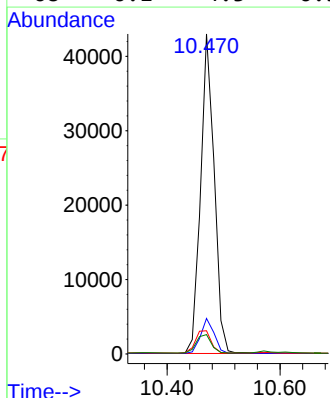
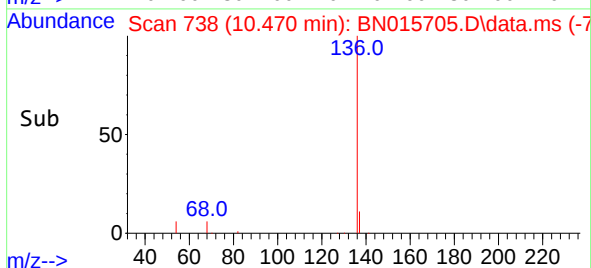
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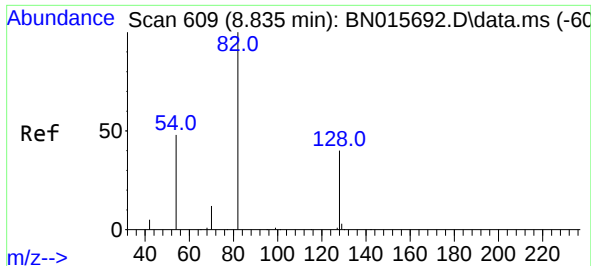


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.470 min Scan# 738
Delta R.T. -0.000 min
Lab File: BN015705.D
Acq: 27 Jul 2021 15:41

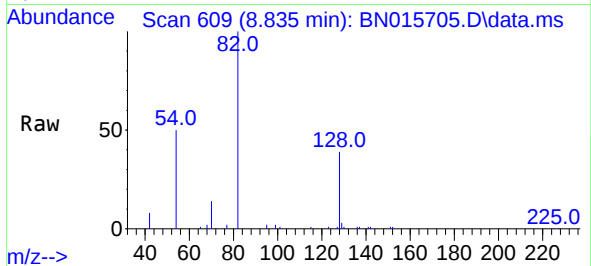


Tgt Ion: 136 Resp: 72051
Ion Ratio Lower Upper
136 100
137 11.1 8.9 13.3
54 7.3 5.0 7.4
68 6.1 4.3 6.5

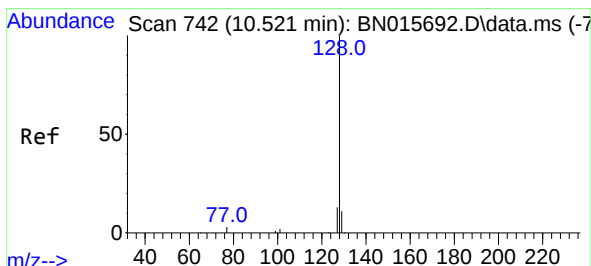
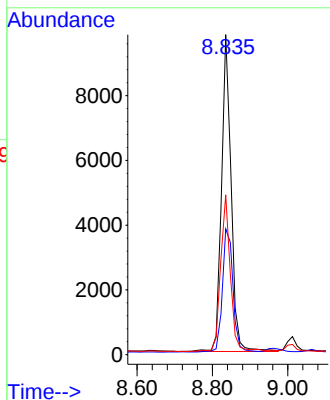
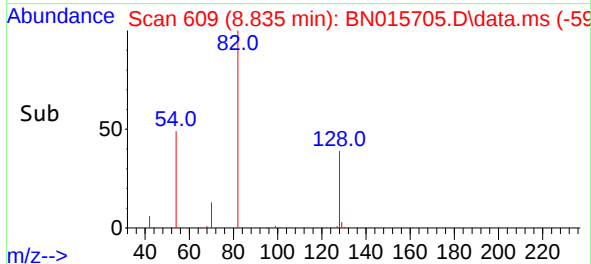




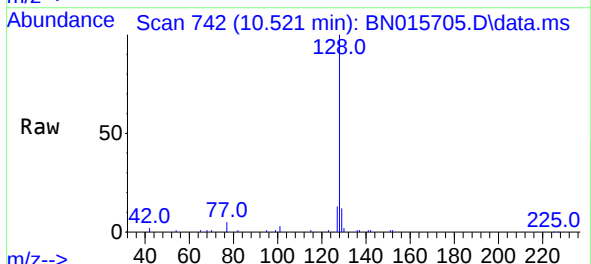
#8
Nitrobenzene-d5
Concen: 0.322 ng
RT: 8.835 min Scan# 609
Delta R.T. -0.000 min
Lab File: BN015705.D
Acq: 27 Jul 2021 15:41



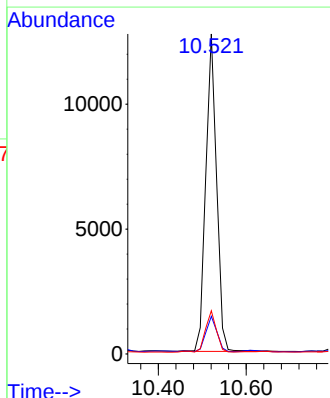
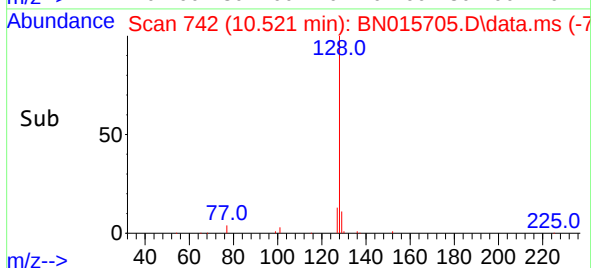
Tgt Ion: 82 Resp: 17421
Ion Ratio Lower Upper
82 100
128 39.3 32.0 48.0
54 50.0 38.9 58.3



#9
Naphthalene
Concen: 0.113 ng
RT: 10.521 min Scan# 742
Delta R.T. -0.000 min
Lab File: BN015705.D
Acq: 27 Jul 2021 15:41



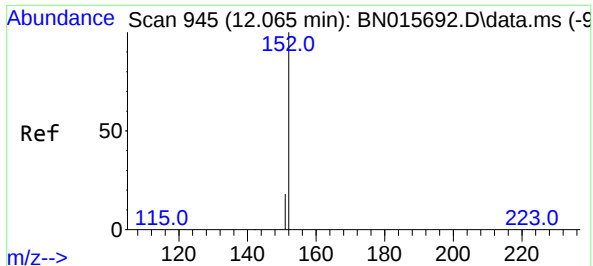
Tgt Ion: 128 Resp: 21711
Ion Ratio Lower Upper
128 100
129 11.8 8.9 13.3
127 13.5 10.4 15.6



Instrument :
BNA_N
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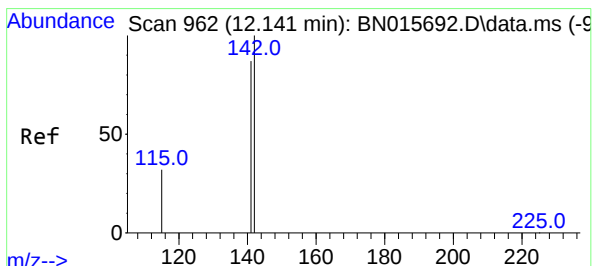
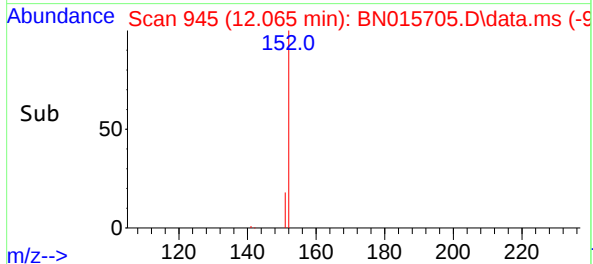
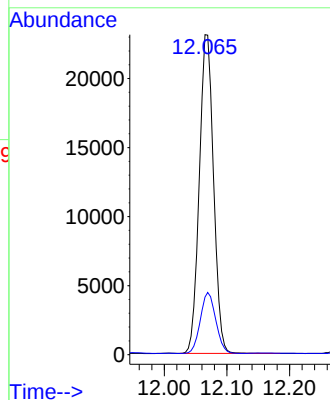
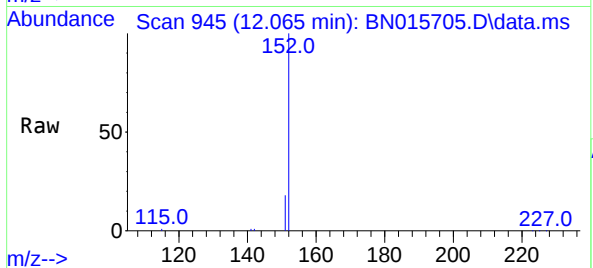
#11
2-Methylnaphthalene-d10
Concen: 0.331 ng
RT: 12.065 min Scan# 945
Delta R.T. -0.000 min
Lab File: BN015705.D
Acq: 27 Jul 2021 15:41

Tgt Ion:152 Resp: 36435
Ion Ratio Lower Upper
152 100
151 20.6 16.3 24.5

Instrument :
BNA_N
ClientSampleId :
AREA-1-(0-5)

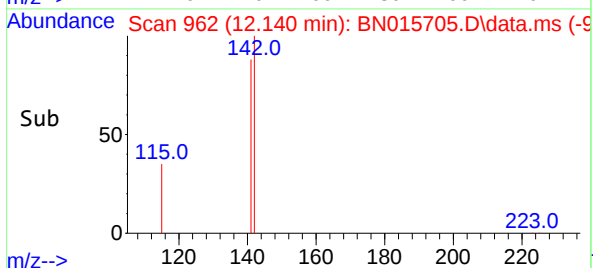
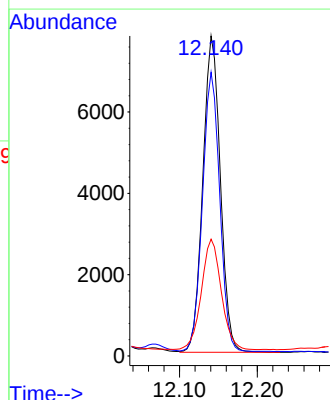
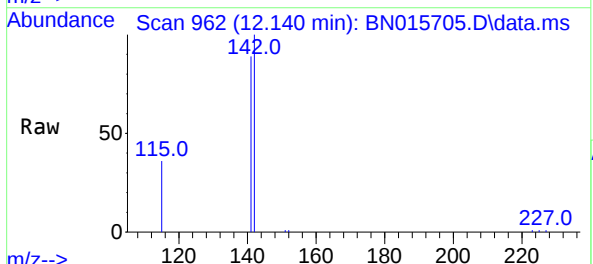
Manual Integrations
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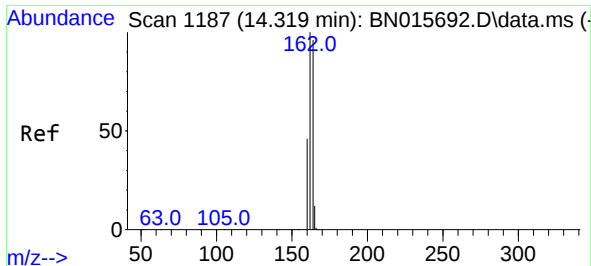
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#12
2-Methylnaphthalene
Concen: 0.097 ng
RT: 12.140 min Scan# 962
Delta R.T. -0.000 min
Lab File: BN015705.D
Acq: 27 Jul 2021 15:41

Tgt Ion:142 Resp: 12194
Ion Ratio Lower Upper
142 100
141 88.6 69.4 104.2
115 36.5 25.9 38.9





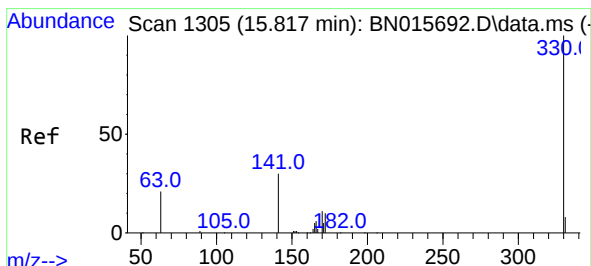
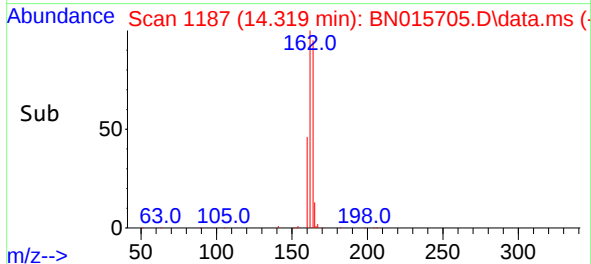
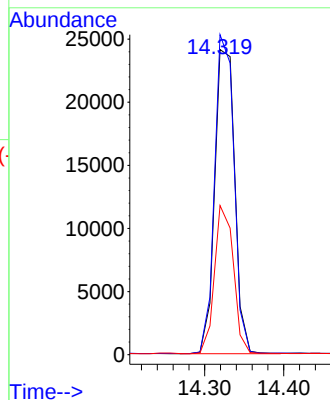
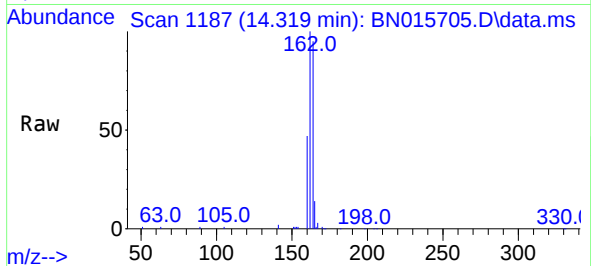
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.319 min Scan# 1187
Delta R.T. -0.000 min
Lab File: BN015705.D
Acq: 27 Jul 2021 15:41

Tgt Ion:164 Resp: 42479
Ion Ratio Lower Upper
164 100
162 104.9 83.6 125.4
160 48.9 38.6 58.0

Instrument :
BNA_N
ClientSampleId :
AREA-1-(0-5)

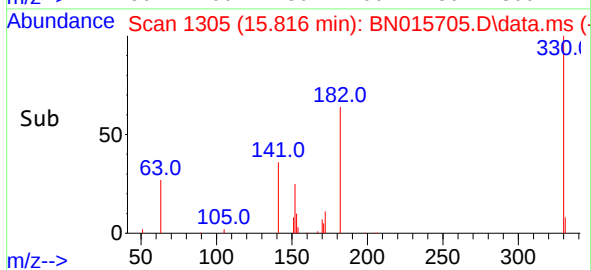
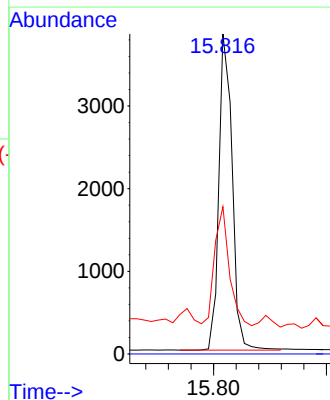
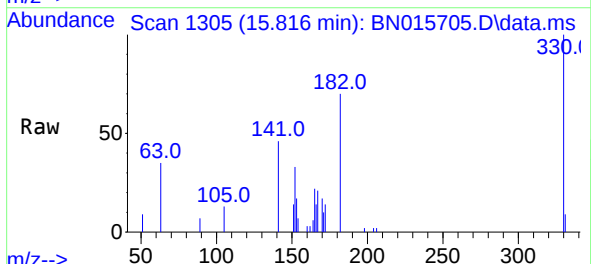
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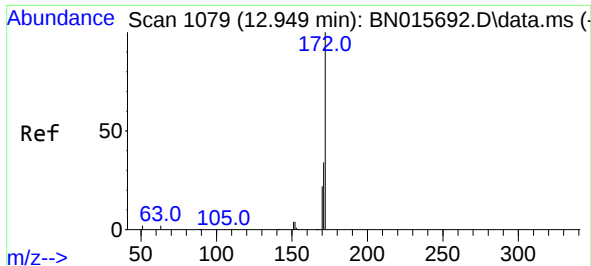
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#14
2,4,6-Tribromophenol
Concen: 0.341 ng
RT: 15.816 min Scan# 1305
Delta R.T. -0.000 min
Lab File: BN015705.D
Acq: 27 Jul 2021 15:41

Tgt Ion:330 Resp: 6254
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 41.5 28.5 42.7





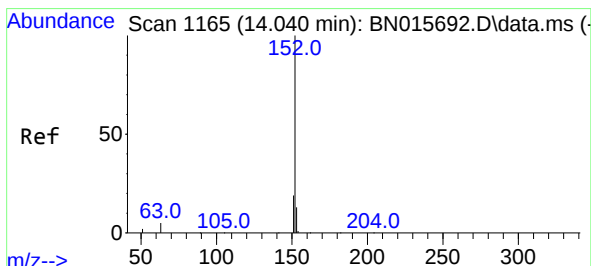
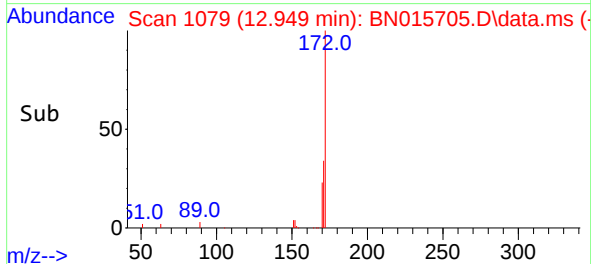
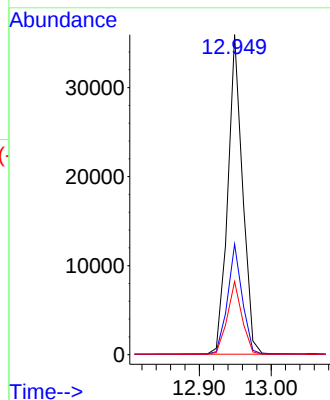
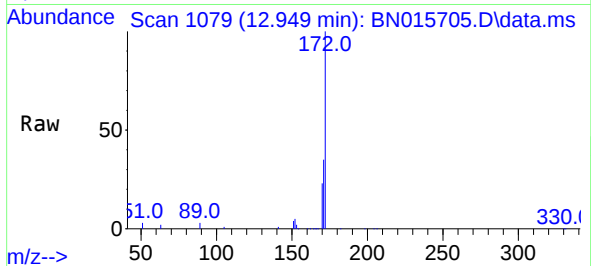
#15
2-Fluorobiphenyl
Concen: 0.304 ng
RT: 12.949 min Scan# 1079
Delta R.T. -0.000 min
Lab File: BN015705.D
Acq: 27 Jul 2021 15:41

Tgt Ion:172 Resp: 50976
Ion Ratio Lower Upper
172 100
171 34.6 27.4 41.0
170 22.8 17.9 26.9

Instrument :
BNA_N
ClientSampleId :
AREA-1-(0-5)

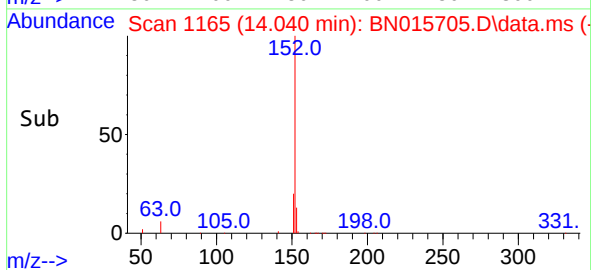
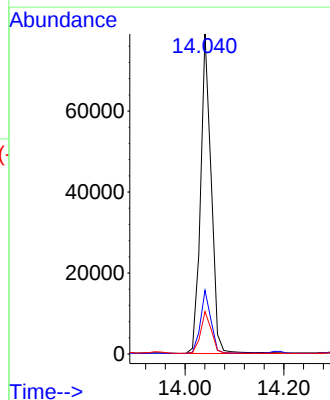
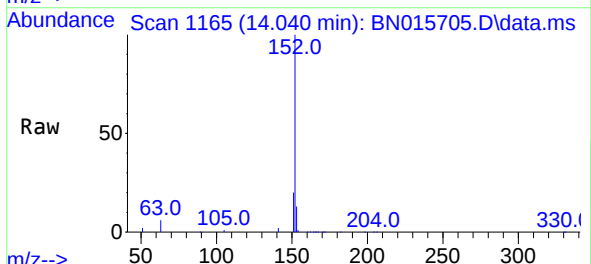
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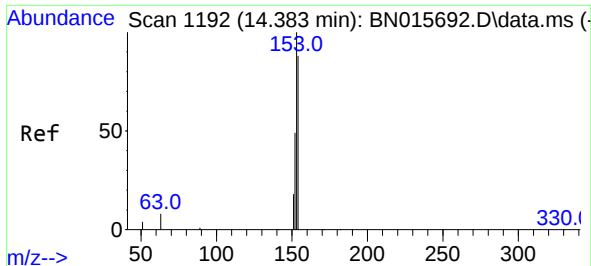
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#16
Acenaphthylene
Concen: 0.643 ng
RT: 14.040 min Scan# 1165
Delta R.T. -0.000 min
Lab File: BN015705.D
Acq: 27 Jul 2021 15:41

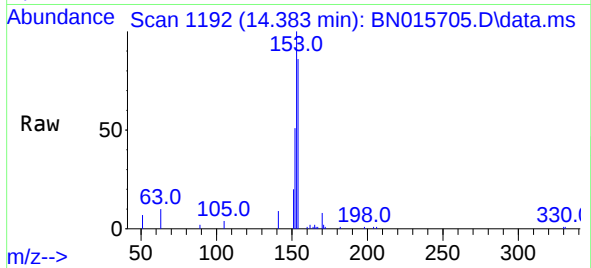
Tgt Ion:152 Resp: 118170
Ion Ratio Lower Upper
152 100
151 19.4 15.4 23.2
153 13.3 10.4 15.6





#17
Acenaphthene
Concen: 0.084 ng
RT: 14.383 min Scan# 1192
Delta R.T. -0.000 min
Lab File: BN015705.D
Acq: 27 Jul 2021 15:41

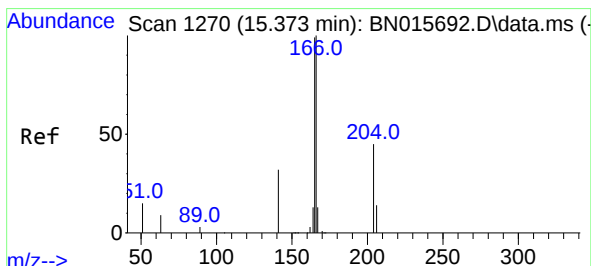
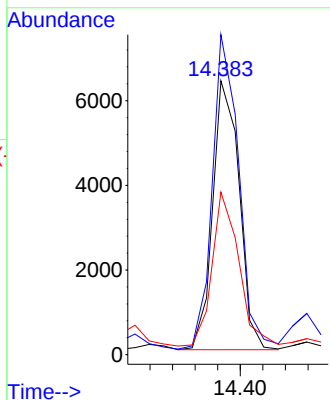
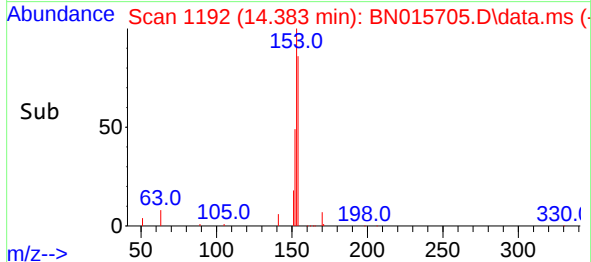
Instrument :
BNA_N
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AREA-1-(0-5)



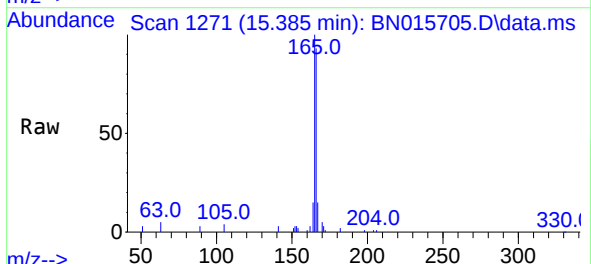
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Ion Ratio Lower Upper
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153 116.9 89.0 133.6
152 58.5 43.3 64.9

Manual Integrations
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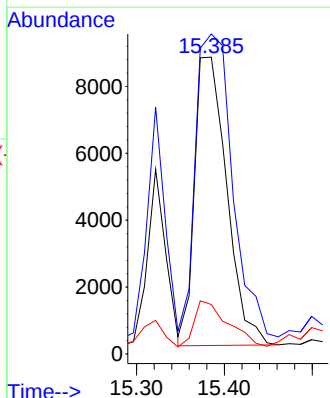
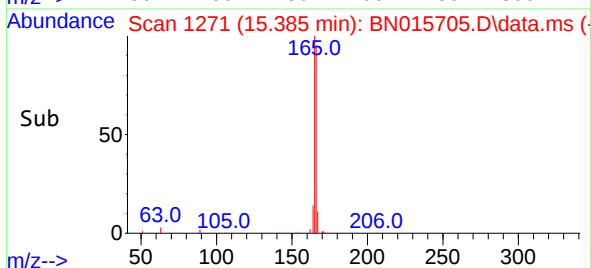
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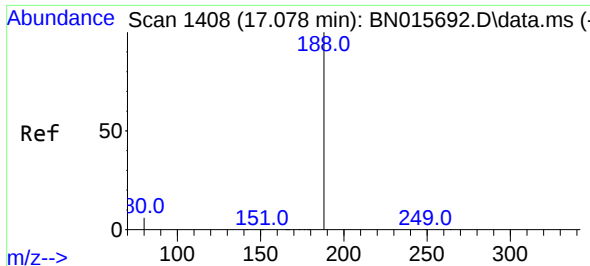


#18
Fluorene
Concen: 0.147 ng
RT: 15.385 min Scan# 1271
Delta R.T. 0.012 min
Lab File: BN015705.D
Acq: 27 Jul 2021 15:41



Tgt Ion:166 Resp: 22029
Ion Ratio Lower Upper
166 100
165 120.4 77.9 116.9#
167 16.9 10.8 16.2#





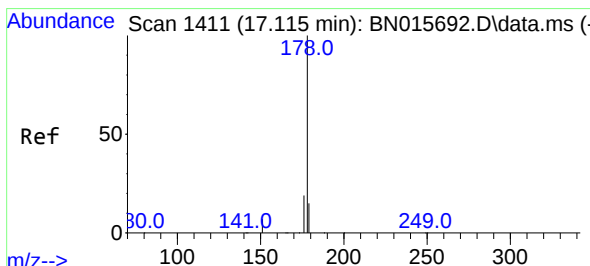
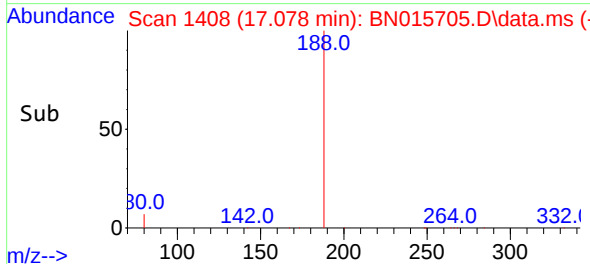
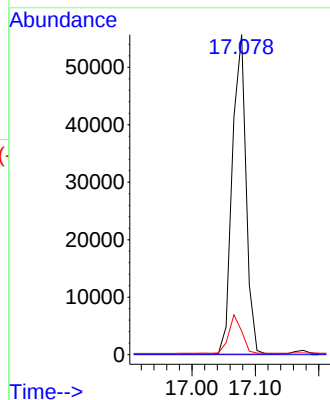
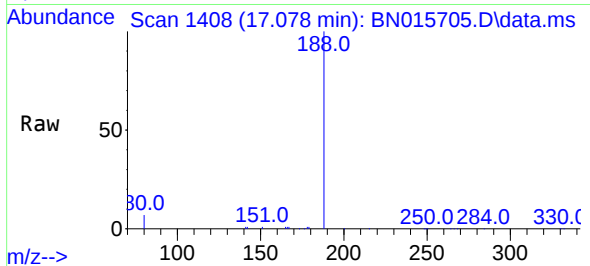
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.078 min Scan# 1408
Delta R.T. -0.000 min
Lab File: BN015705.D
Acq: 27 Jul 2021 15:41

Tgt Ion:188 Resp: 83660
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 7.4 5.3 7.9

Instrument :
BNA_N
ClientSampleId :
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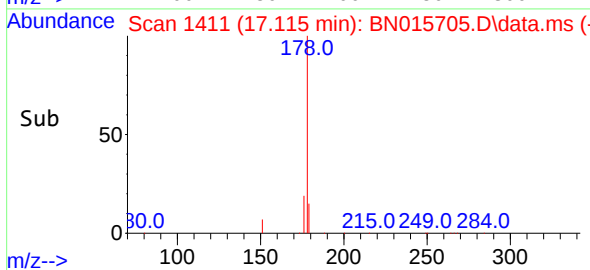
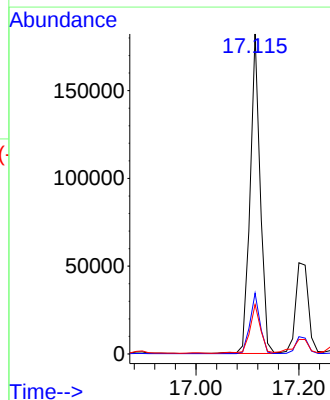
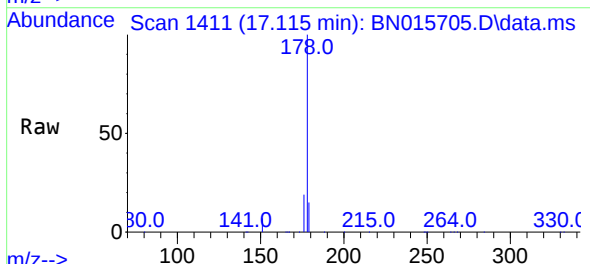
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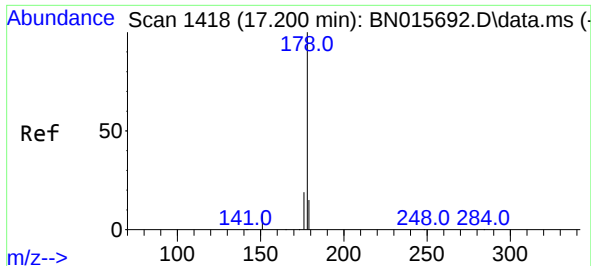
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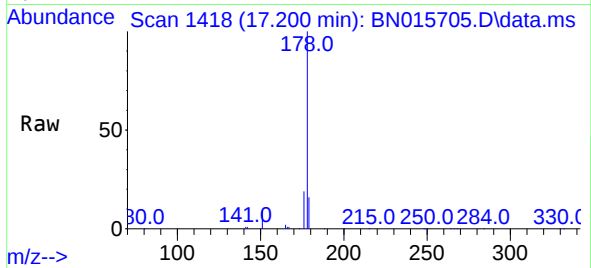
#25
Phenanthrene
Concen: 1.006 ng
RT: 17.115 min Scan# 1411
Delta R.T. -0.000 min
Lab File: BN015705.D
Acq: 27 Jul 2021 15:41

Tgt Ion:178 Resp: 248470
Ion Ratio Lower Upper
178 100
176 18.9 15.1 22.7
179 15.9 12.4 18.6



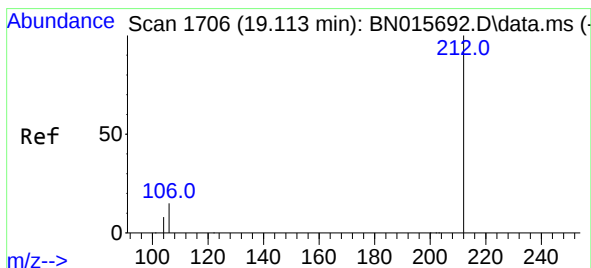
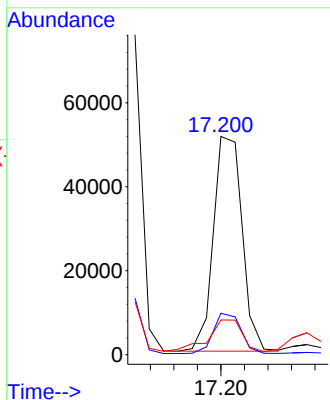
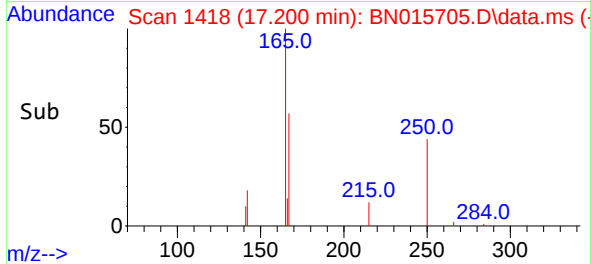


#26
 Anthracene
 Concen: 0.399 ng
 RT: 17.200 min Scan# 1418
 Delta R.T. -0.000 min
 Lab File: BN015705.D
 Acq: 27 Jul 2021 15:41

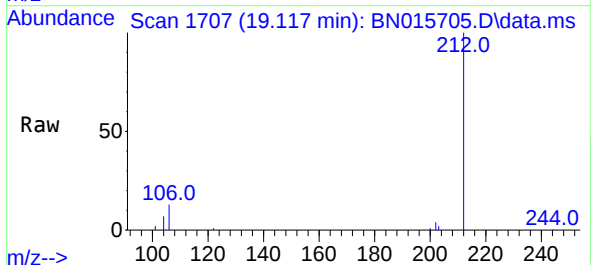


Tgt Ion:178 Resp: 86661

Ion	Ratio	Lower	Upper
178	100		
176	18.2	14.6	21.8
179	17.5	12.2	18.2

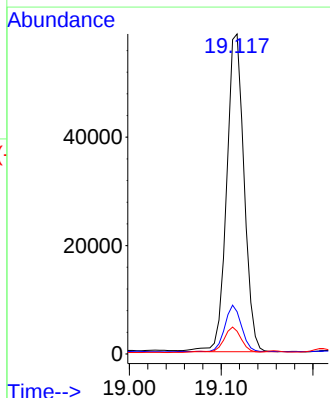
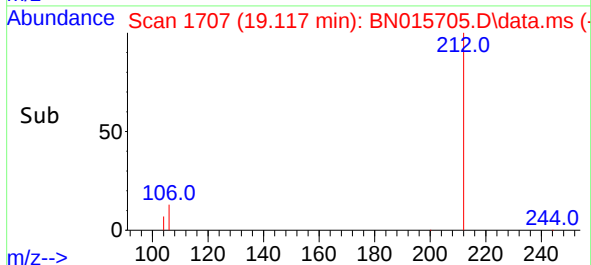


#27
 Fluoranthene-d10
 Concen: 0.337 ng
 RT: 19.117 min Scan# 1707
 Delta R.T. 0.005 min
 Lab File: BN015705.D
 Acq: 27 Jul 2021 15:41



Tgt Ion:212 Resp: 77279

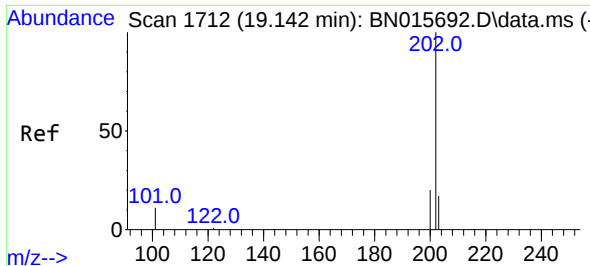
Ion	Ratio	Lower	Upper
212	100		
106	14.0	11.5	17.3
104	8.1	6.3	9.5



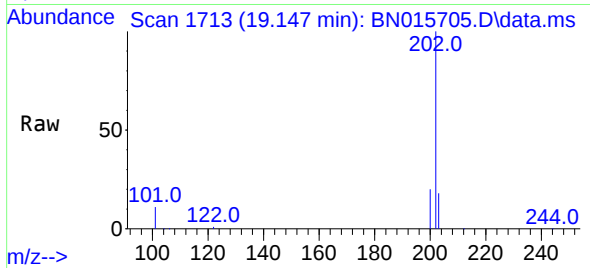
Instrument :
 BNA_N
 ClientSampleId :
 AREA-1-(0-5)

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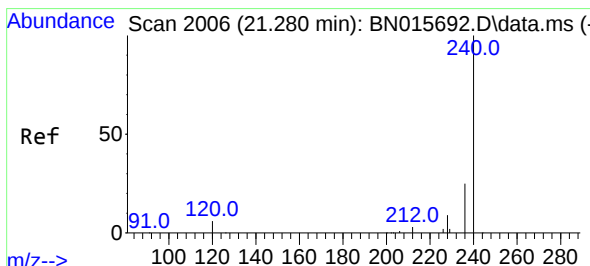
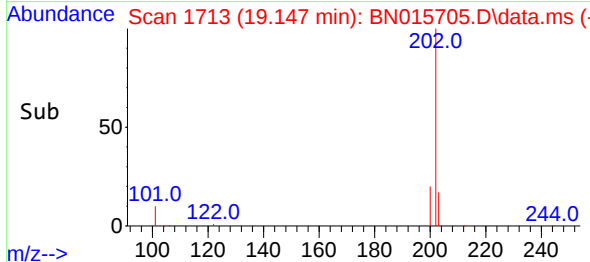
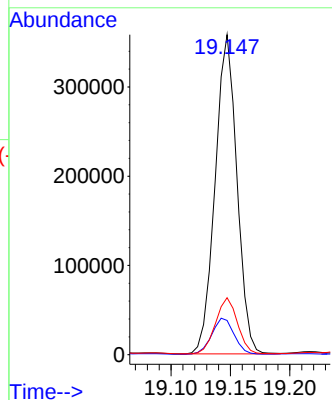
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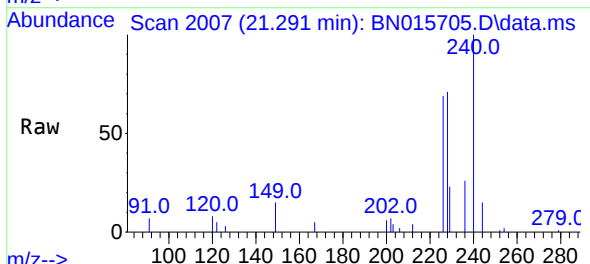
#28
Fluoranthene
Concen: 1.657 ng
RT: 19.147 min Scan# 1713
Delta R.T. 0.005 min
Lab File: BN015705.D
Acq: 27 Jul 2021 15:41



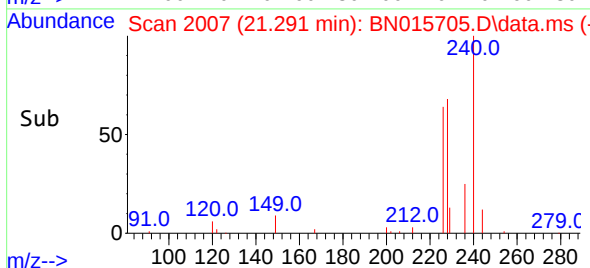
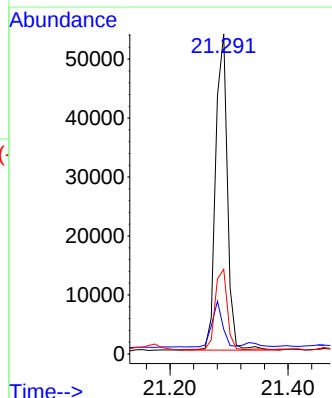
Tgt Ion:202 Resp: 455809
Ion Ratio Lower Upper
202 100
101 11.6 9.4 14.2
203 17.7 13.8 20.8



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.291 min Scan# 2007
Delta R.T. 0.010 min
Lab File: BN015705.D
Acq: 27 Jul 2021 15:41



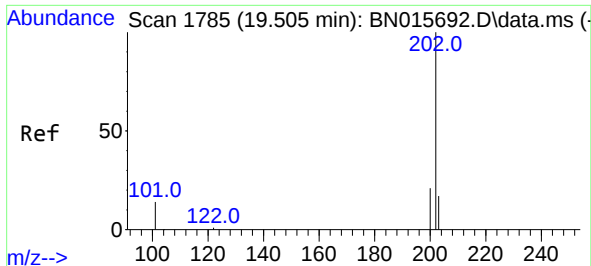
Tgt Ion:240 Resp: 73959
Ion Ratio Lower Upper
240 100
120 7.7 4.9 7.3#
236 26.4 20.4 30.6



Instrument :
BNA_N
ClientSampleId :
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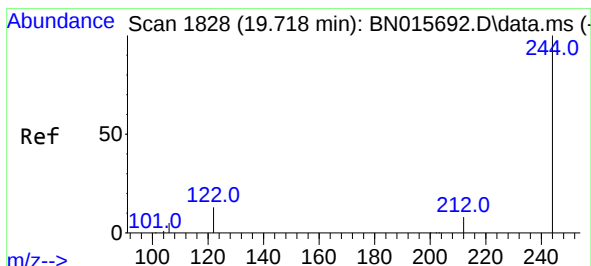
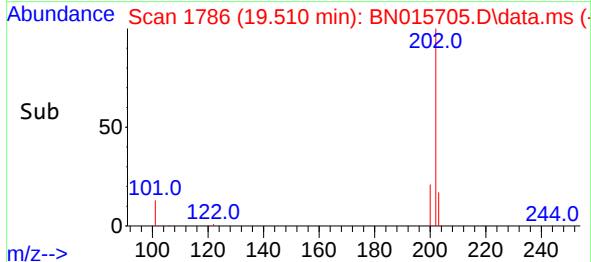
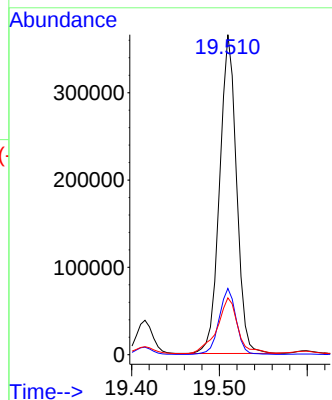
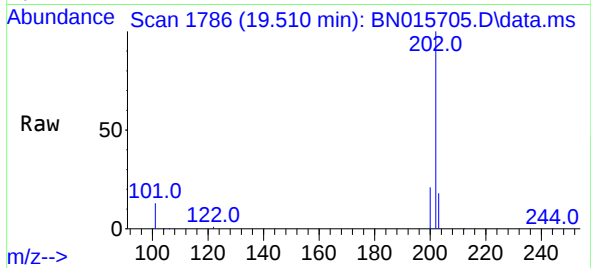
#30
Pyrene
Concen: 1.894 ng
RT: 19.510 min Scan# 1786
Delta R.T. 0.005 min
Lab File: BN015705.D
Acq: 27 Jul 2021 15:41

Tgt Ion:202 Resp: 488357
Ion Ratio Lower Upper
202 100
200 20.7 16.4 24.6
203 21.4 13.9 20.9#

Instrument :
BNA_N
ClientSampleId :
AREA-1-(0-5)

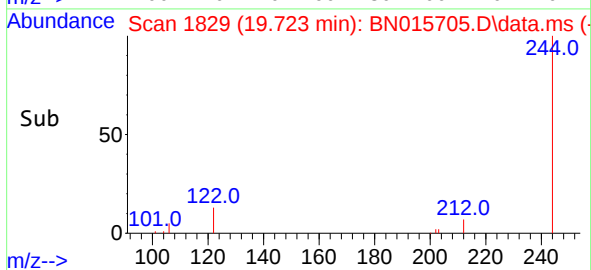
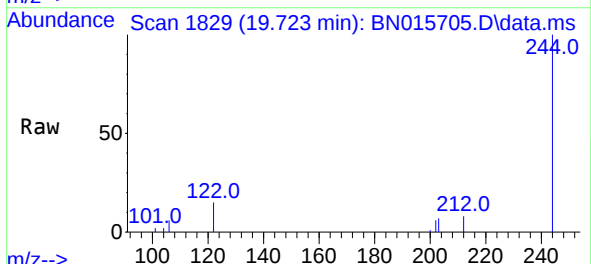
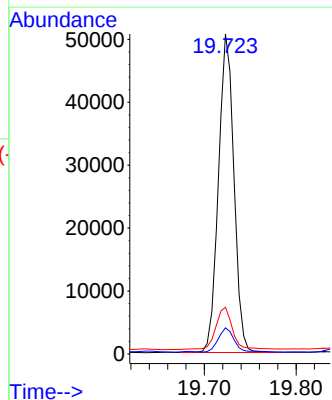
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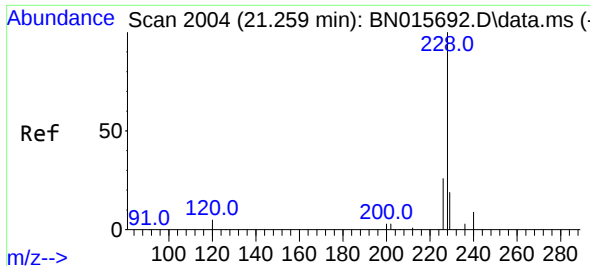
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#31
Terphenyl-d14
Concen: 0.344 ng
RT: 19.723 min Scan# 1829
Delta R.T. -0.000 min
Lab File: BN015705.D
Acq: 27 Jul 2021 15:41

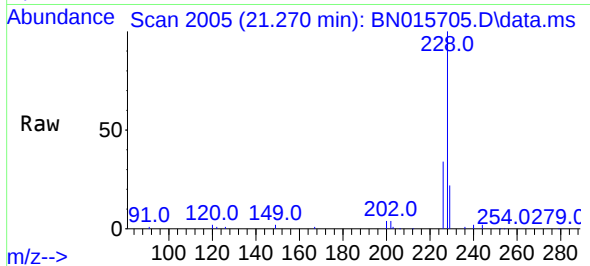
Tgt Ion:244 Resp: 59484
Ion Ratio Lower Upper
244 100
212 8.2 6.2 9.2
122 14.6 10.9 16.3





#32
Benzo(a)anthracene
Concen: 1.316 ng m
RT: 21.270 min Scan# 2005
Delta R.T. 0.010 min
Lab File: BN015705.D
Acq: 27 Jul 2021 15:41

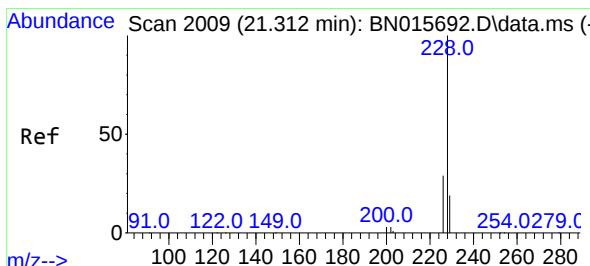
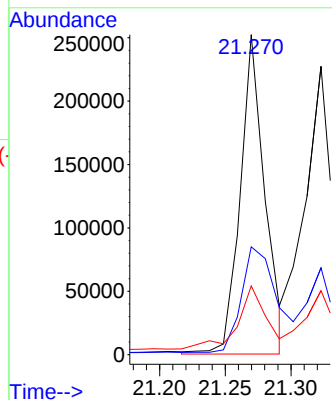
Instrument :
BNA_N
ClientSampleId :
AREA-1-(0-5)



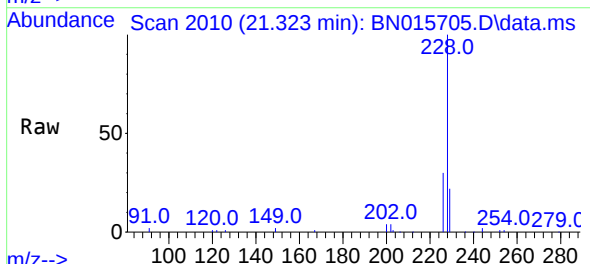
Tgt Ion:228 Resp: 329409
Ion Ratio Lower Upper
228 100
226 33.7 21.2 31.8#
229 21.5 15.5 23.3

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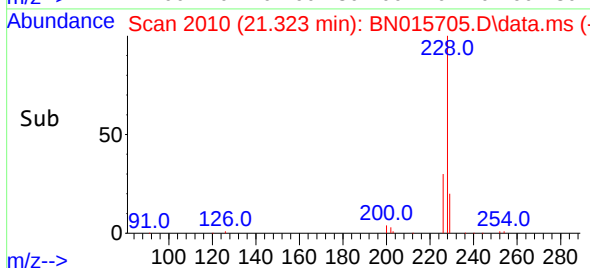
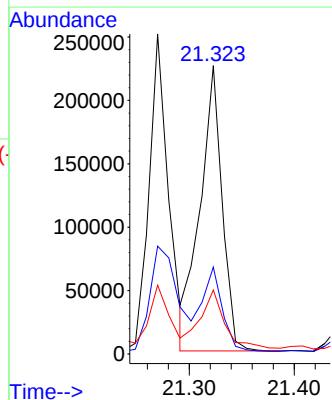
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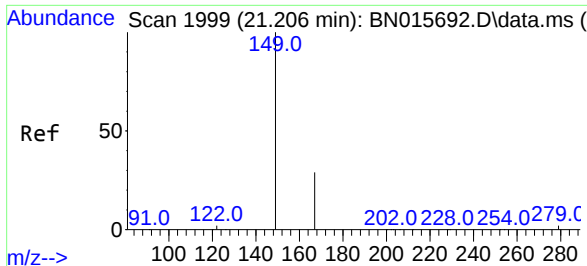


#33
Chrysene
Concen: 1.316 ng
RT: 21.323 min Scan# 2010
Delta R.T. 0.010 min
Lab File: BN015705.D
Acq: 27 Jul 2021 15:41



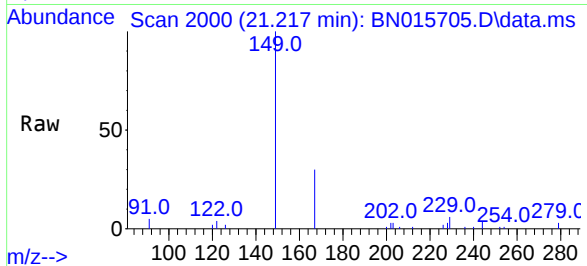
Tgt Ion:228 Resp: 328479
Ion Ratio Lower Upper
228 100
226 30.1 23.4 35.0
229 22.2 15.5 23.3





#34
Bis(2-ethylhexyl)phthalate
Concen: 0.684 ng
RT: 21.217 min Scan# 2000
Delta R.T. 0.010 min
Lab File: BN015705.D
Acq: 27 Jul 2021 15:41

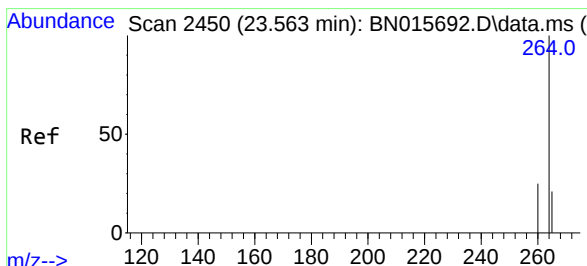
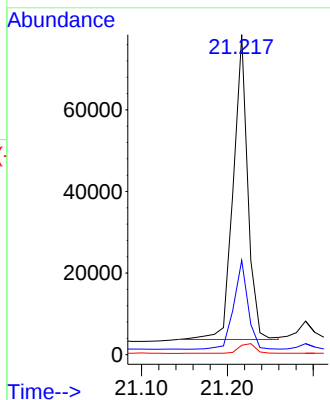
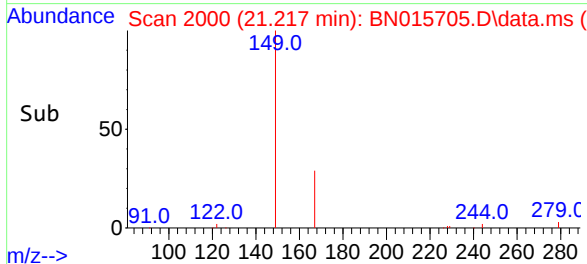
Instrument :
BNA_N
ClientSampleId :
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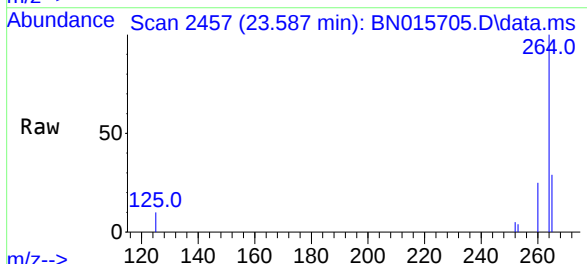
Tgt Ion:149 Resp: 87493
Ion Ratio Lower Upper
149 100
167 28.5 22.6 34.0
279 3.8 2.8 4.2

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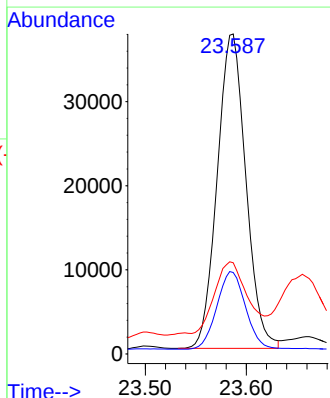
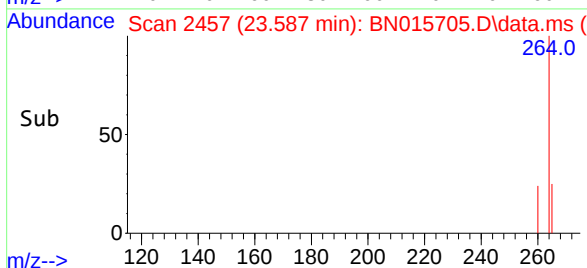
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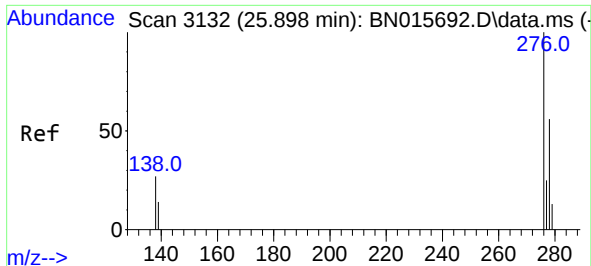


#35
Perylene-d12
Concen: 0.400 ng
RT: 23.587 min Scan# 2457
Delta R.T. 0.017 min
Lab File: BN015705.D
Acq: 27 Jul 2021 15:41



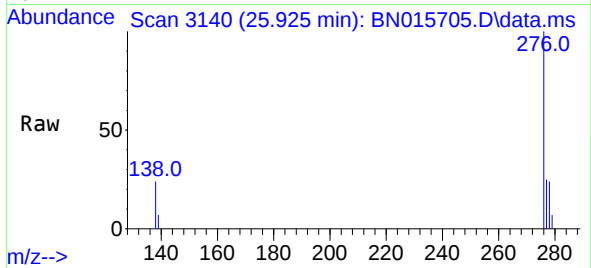
Tgt Ion:264 Resp: 73606
Ion Ratio Lower Upper
264 100
260 25.5 19.8 29.8
265 28.5 19.0 28.6





#36
Indeno(1,2,3-cd)pyrene
Concen: 0.704 ng
RT: 25.925 min Scan# 3140
Delta R.T. 0.017 min
Lab File: BN015705.D
Acq: 27 Jul 2021 15:41

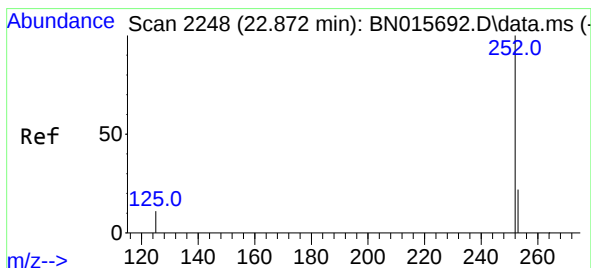
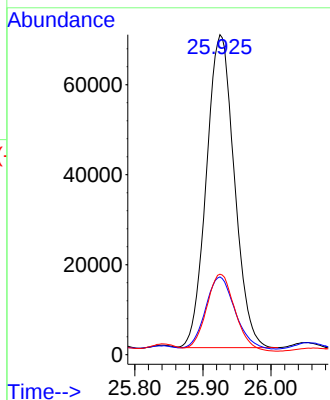
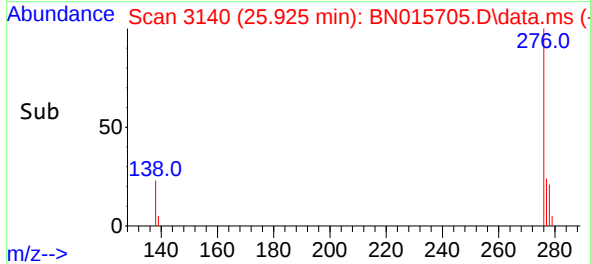
Instrument :
BNA_N
ClientSampleId :
AREA-1-(0-5)



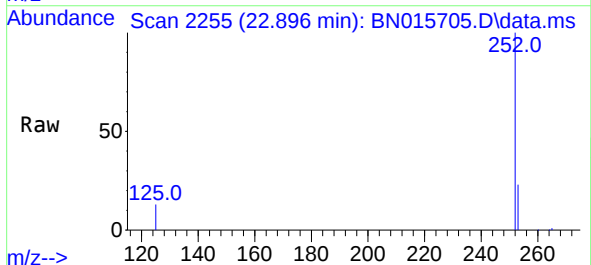
Tgt Ion:276 Resp: 198251
Ion Ratio Lower Upper
276 100
138 24.4 23.0 34.4
277 25.3 20.0 30.0

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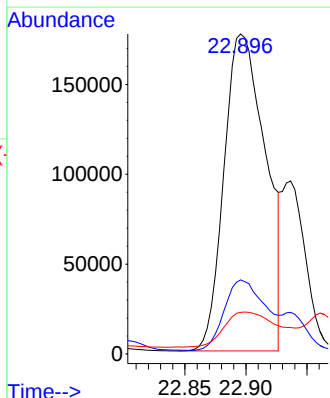
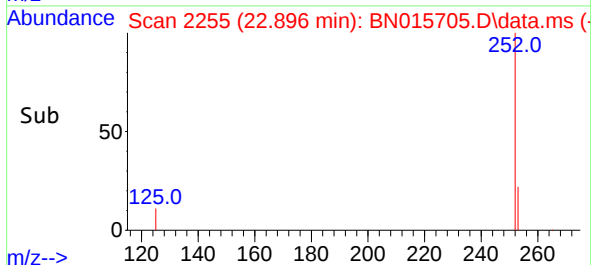
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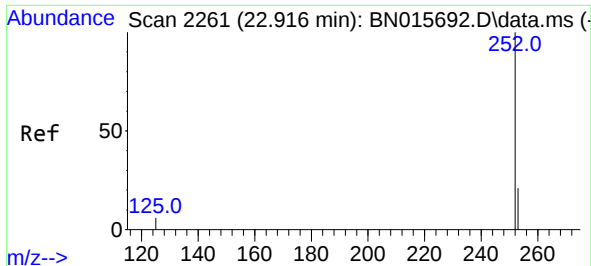


#37
Benzo(b)fluoranthene
Concen: 1.634 ng
RT: 22.896 min Scan# 2255
Delta R.T. 0.017 min
Lab File: BN015705.D
Acq: 27 Jul 2021 15:41



Tgt Ion:252 Resp: 418447
Ion Ratio Lower Upper
252 100
253 23.2 17.5 26.3
125 13.0 8.9 13.3





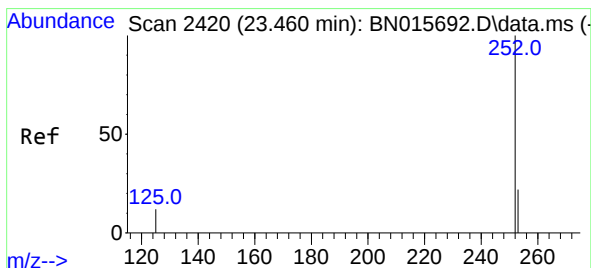
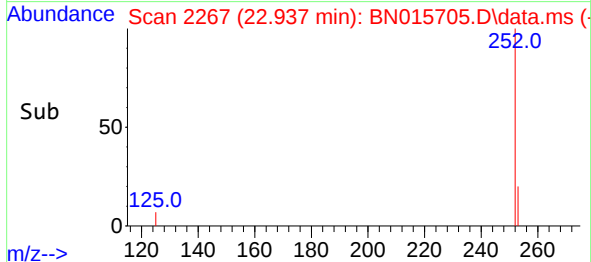
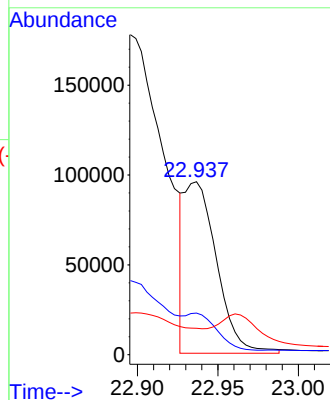
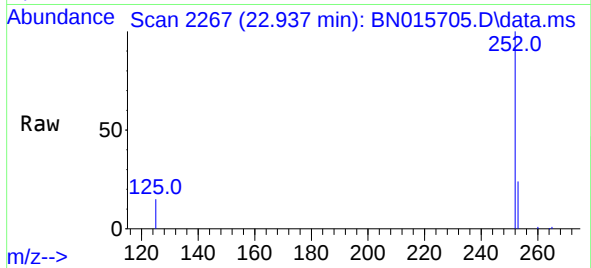
#38
Benzo(k)fluoranthene
Concen: 0.507 ng m
RT: 22.937 min Scan# 2267
Delta R.T. 0.014 min
Lab File: BN015705.D
Acq: 27 Jul 2021 15:41

Tgt Ion:252 Resp: 132829
Ion Ratio Lower Upper
252 100
253 24.0 17.6 26.4
125 15.3 9.4 14.2#

Instrument :
BNA_N
ClientSampleId :
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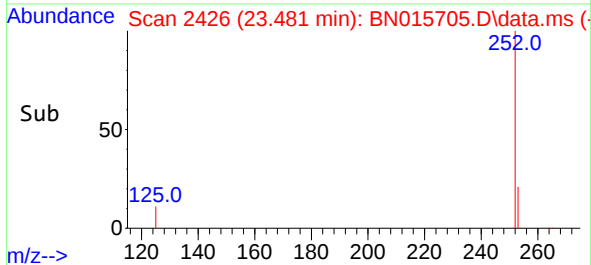
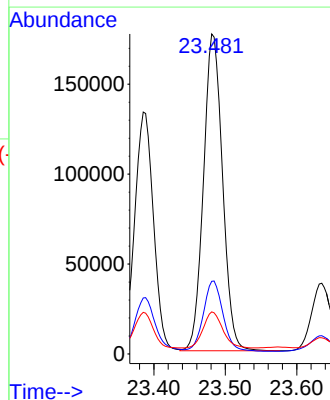
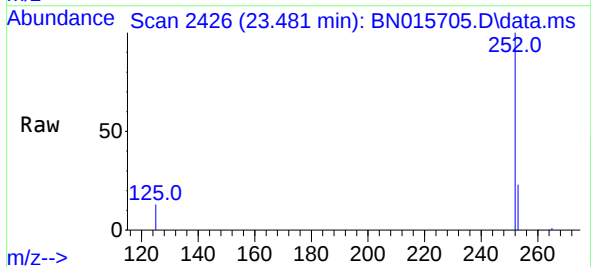
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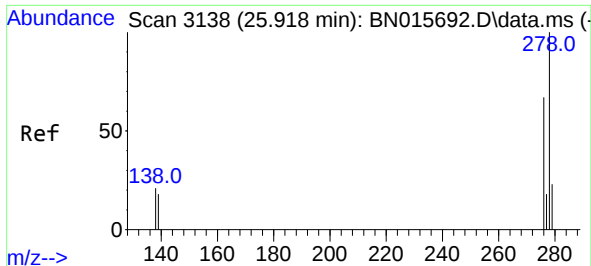
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#39
Benzo(a)pyrene
Concen: 1.419 ng
RT: 23.481 min Scan# 2426
Delta R.T. 0.010 min
Lab File: BN015705.D
Acq: 27 Jul 2021 15:41

Tgt Ion:252 Resp: 326780
Ion Ratio Lower Upper
252 100
253 22.7 17.7 26.5
125 13.2 10.2 15.2





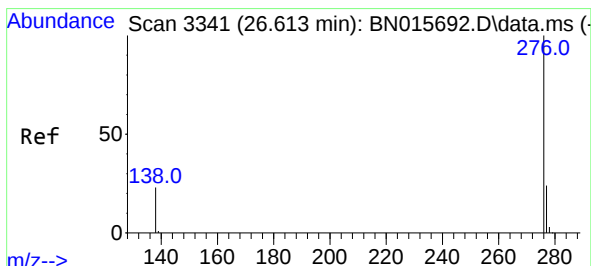
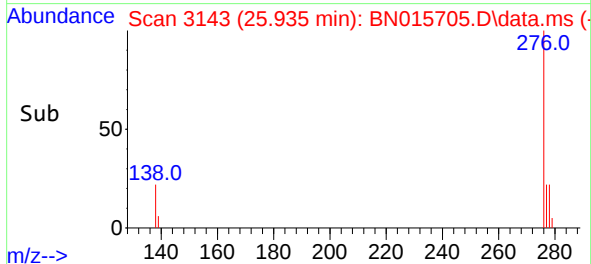
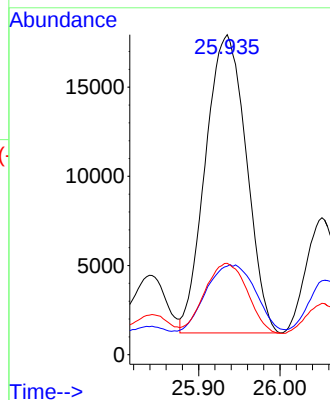
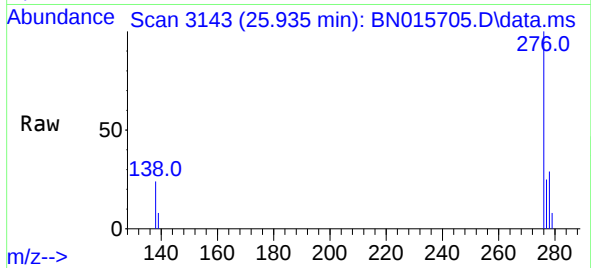
#40
Dibenzo(a,h)anthracene
Concen: 0.253 ng
RT: 25.935 min Scan# 3143
Delta R.T. 0.013 min
Lab File: BN015705.D
Acq: 27 Jul 2021 15:41

Tgt Ion:278 Resp: 58296
Ion Ratio Lower Upper
278 100
139 27.7 15.1 22.7#
279 28.5 19.0 28.4#

Instrument :
BNA_N
ClientSampleId :
AREA-1-(0-5)

Manual Integrations
APPROVED

mohammad
7/28/2021 11:34:21 AM



#41
Benzo(g,h,i)perylene
Concen: 0.863 ng
RT: 26.647 min Scan# 3351
Delta R.T. 0.027 min
Lab File: BN015705.D
Acq: 27 Jul 2021 15:41

Tgt Ion:276 Resp: 202793
Ion Ratio Lower Upper
276 100
277 24.3 19.4 29.0
138 23.9 19.0 28.6

