

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072721\
 Data File : BN015706.D
 Acq On : 27 Jul 2021 16:19
 Operator : CG/JU
 Sample : M3186-03
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 AREA-2-(0-7)

Manual Integrations
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Quant Time: Jul 27 16:52:00 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	7.689	152	15626	0.400	ng	0.00
7) Naphthalene-d8	10.470	136	73987	0.400	ng	0.00
13) Acenaphthene-d10	14.332	164	43042	0.400	ng	0.01
19) Phenanthrene-d10	17.078	188	85119	0.400	ng	0.00
29) Chrysene-d12	21.291	240	71810	0.400	ng	# 0.01
35) Perylene-d12	23.587	264	77970	0.400	ng	# 0.02
System Monitoring Compounds						
4) 2-Fluorophenol	5.310	112	14541	0.352	ng	0.02
5) Phenol-d6	6.877	99	17825	0.358	ng	0.00
8) Nitrobenzene-d5	8.835	82	20195	0.364	ng	0.00
11) 2-Methylnaphthalene-d10	12.065	152	41104	0.364	ng	0.00
14) 2,4,6-Tribromophenol	15.817	330	7241	0.389	ng	0.00
15) 2-Fluorobiphenyl	12.949	172	56206	0.330	ng	0.00
27) Fluoranthene-d10	19.118	212	86550	0.371	ng	0.00
31) Terphenyl-d14	19.723	244	67512	0.402	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.521	128	55775	0.283	ng	100
12) 2-Methylnaphthalene	12.141	142	31541	0.244	ng	98
16) Acenaphthylene	14.040	152	245916	1.322	ng	99
17) Acenaphthene	14.383	154	24519	0.197	ng	94
18) Fluorene	15.385	166	51522	0.339	ng	# 80
25) Phenanthrene	17.115	178	698717	2.780	ng	100
26) Anthracene	17.212	178	282234	1.279	ng	99
28) Fluoranthene	19.147	202	1252698	4.476	ng	99
30) Pyrene	19.515	202	1354950	5.413	ng	# 96
32) Benzo(a)anthracene	21.270	228	835322m	3.436	ng	
33) Chrysene	21.323	228	760712	3.138	ng	97
34) Bis(2-ethylhexyl)phtha...	21.217	149	15585	0.278	ng	# 99
36) Indeno(1,2,3-cd)pyrene	25.928	276	488203	1.638	ng	94
37) Benzo(b)fluoranthene	22.899	252	937978	3.457	ng	98
38) Benzo(k)fluoranthene	22.937	252	324555m	1.169	ng	
39) Benzo(a)pyrene	23.484	252	796878	3.266	ng	99
40) Dibenzo(a,h)anthracene	25.935	278	140297	0.575	ng	95
41) Benzo(g,h,i)perylene	26.647	276	507770	2.040	ng	100

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

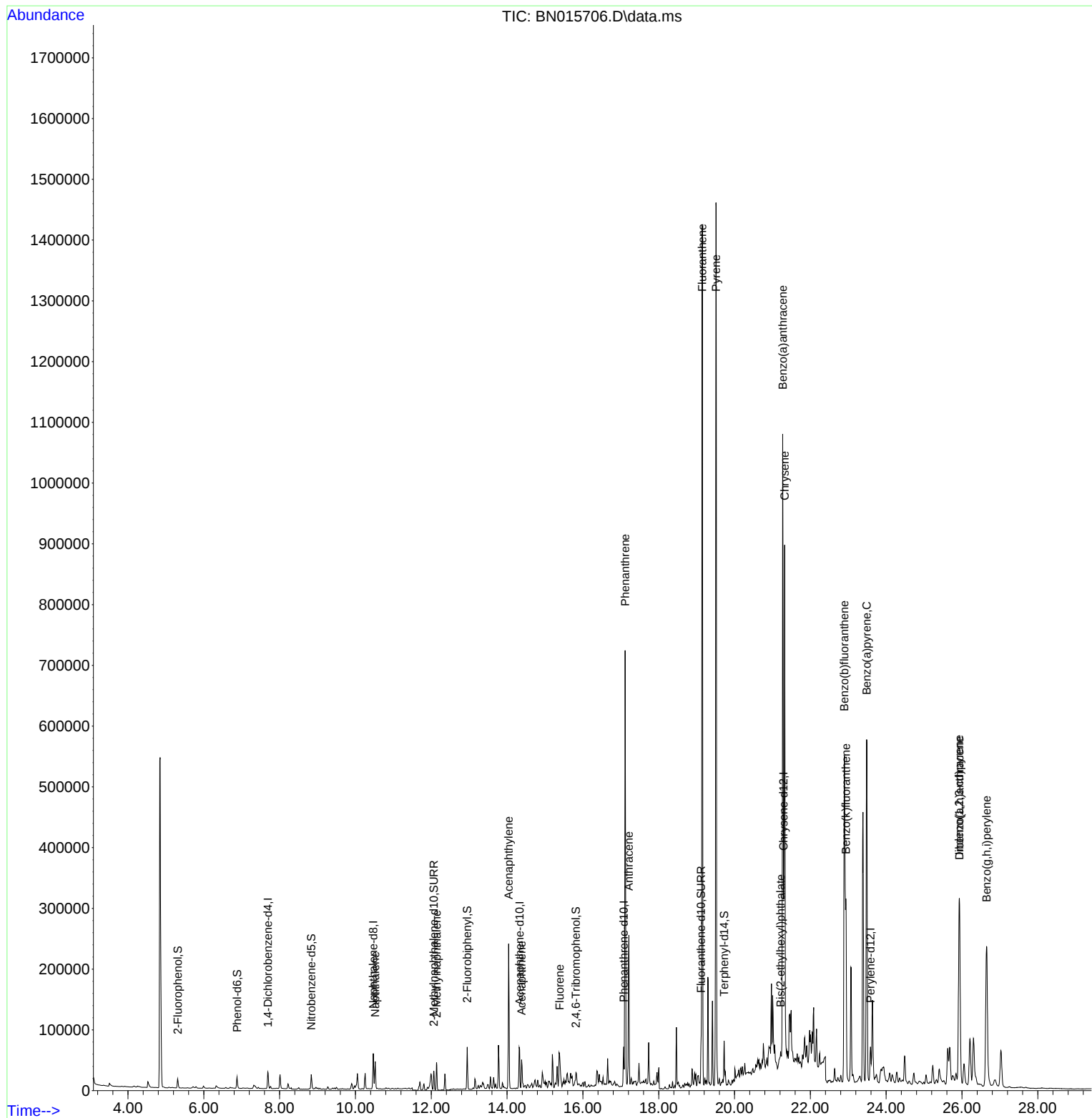
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Data File : BN015706.D
Acq On : 27 Jul 2021 16:19
Operator : CG/JU
Sample : M3186-03
Misc :
ALS Vial : 8 Sample Multiplier: 1

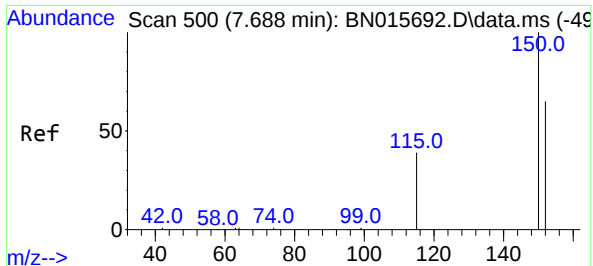
Instrument :
BNA_N
ClientSampleId :
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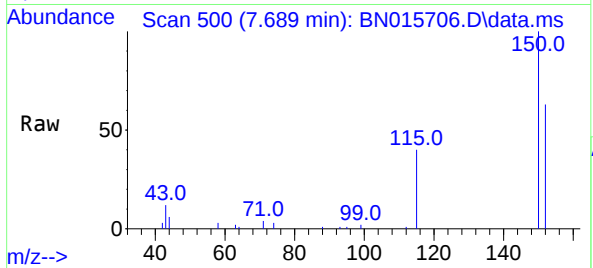
Quant Time: Jul 27 16:52:00 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN072521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 27 13:51:38 2021
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.689 min Scan# 500
Delta R.T. -0.000 min
Lab File: BN015706.D
Acq: 27 Jul 2021 16:19

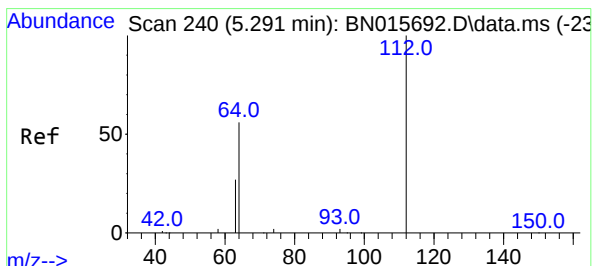
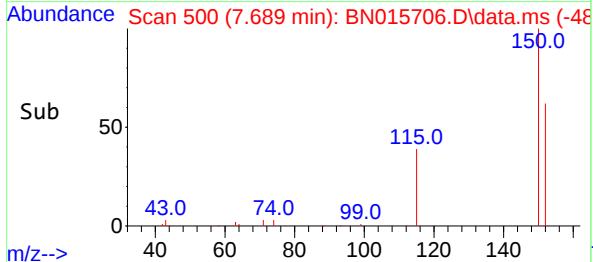
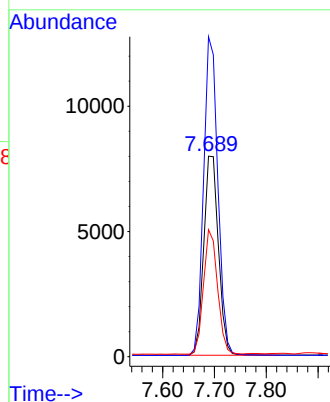
Instrument :
BNA_N
ClientSampled :
AREA-2-(0-7)



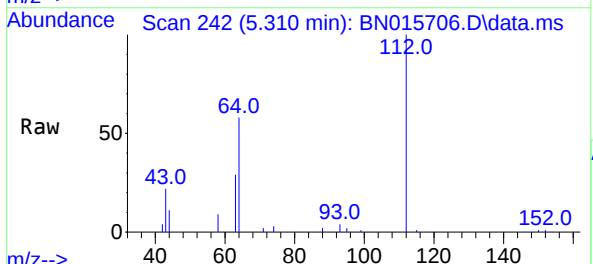
Tgt Ion:152 Resp: 15626
Ion Ratio Lower Upper
152 100
150 159.6 125.2 187.8
115 63.3 48.6 73.0

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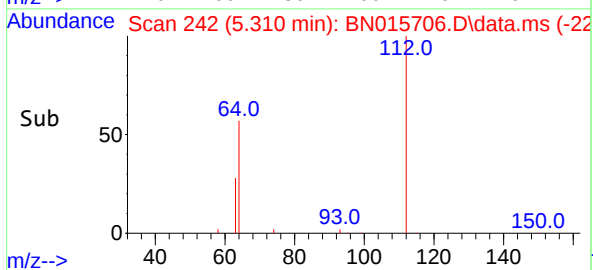
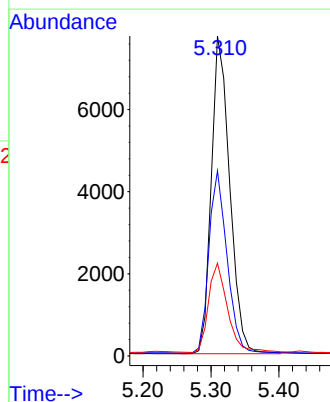
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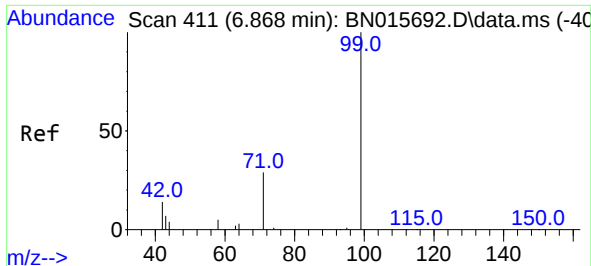


#4
2-Fluorophenol
Concen: 0.352 ng
RT: 5.310 min Scan# 242
Delta R.T. 0.018 min
Lab File: BN015706.D
Acq: 27 Jul 2021 16:19



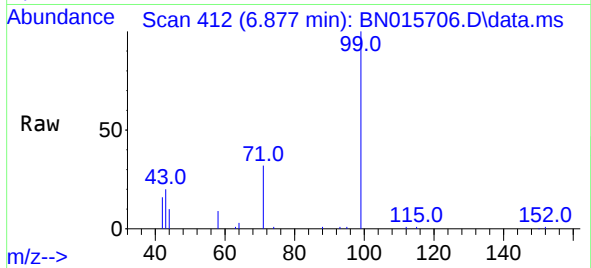
Tgt Ion:112 Resp: 14541
Ion Ratio Lower Upper
112 100
64 56.5 44.8 67.2
63 28.9 22.2 33.4





#5
Phenol-d6
Concen: 0.358 ng
RT: 6.877 min Scan# 412
Delta R.T. 0.009 min
Lab File: BN015706.D
Acq: 27 Jul 2021 16:19

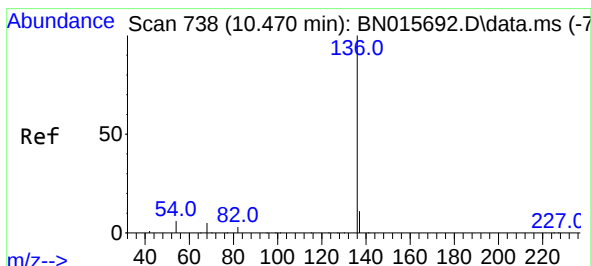
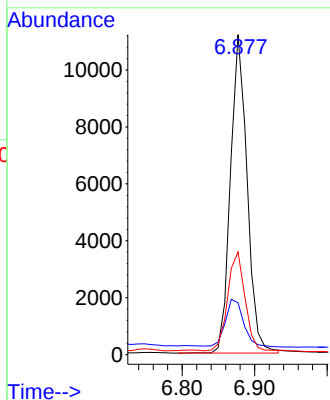
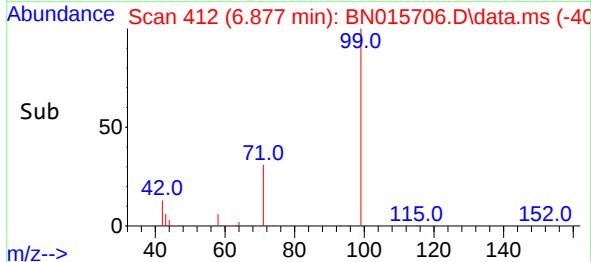
Instrument :
BNA_N
ClientSampled :
AREA-2-(0-7)



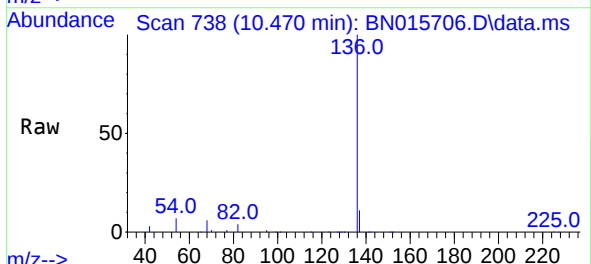
Tgt Ion: 99 Resp: 17825
Ion Ratio Lower Upper
99 100
42 16.4 13.4 20.0
71 32.2 24.5 36.7

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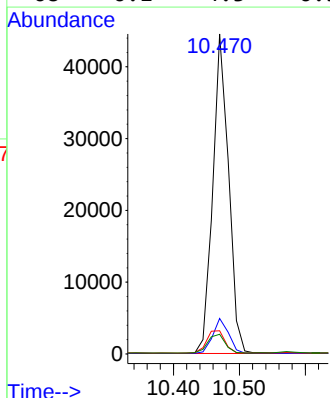
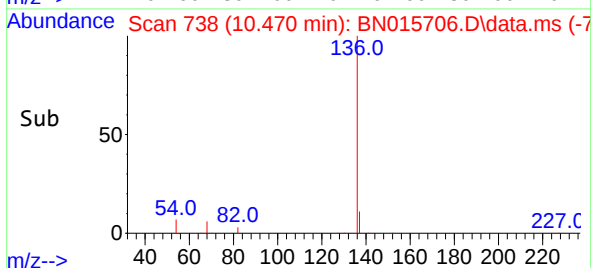
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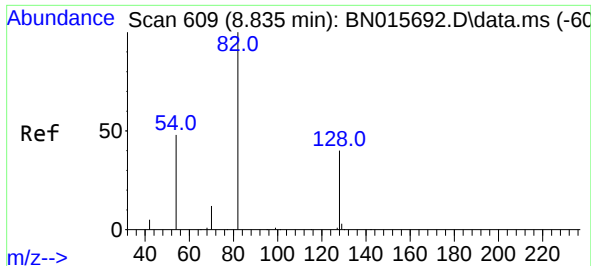


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.470 min Scan# 738
Delta R.T. -0.000 min
Lab File: BN015706.D
Acq: 27 Jul 2021 16:19



Tgt Ion: 136 Resp: 73987
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





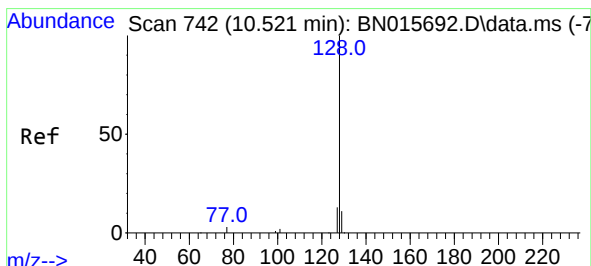
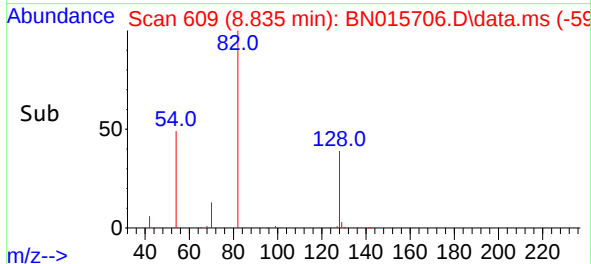
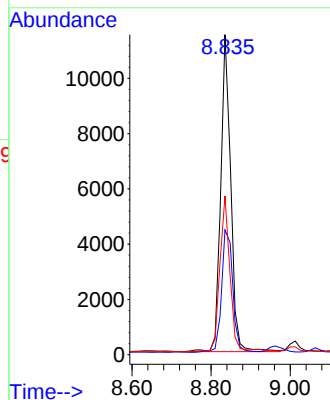
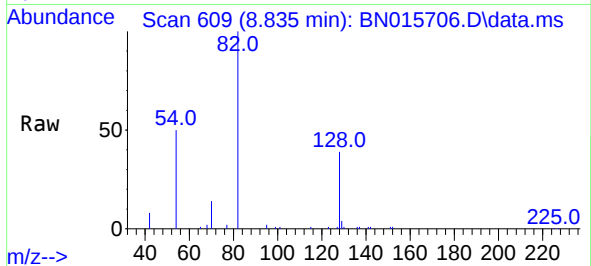
#8
Nitrobenzene-d5
Concen: 0.364 ng
RT: 8.835 min Scan# 609
Delta R.T. -0.000 min
Lab File: BN015706.D
Acq: 27 Jul 2021 16:19

Tgt Ion: 82 Resp: 20195
Ion Ratio Lower Upper
82 100
128 39.0 32.0 48.0
54 49.6 38.9 58.3

Instrument :
BNA_N
ClientSampleId :
AREA-2-(0-7)

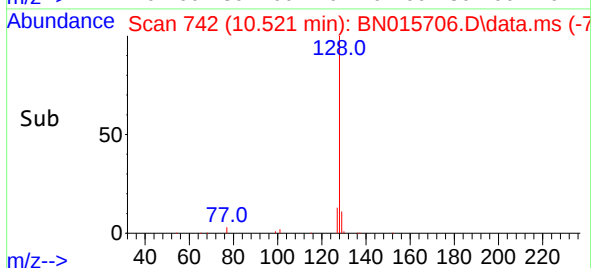
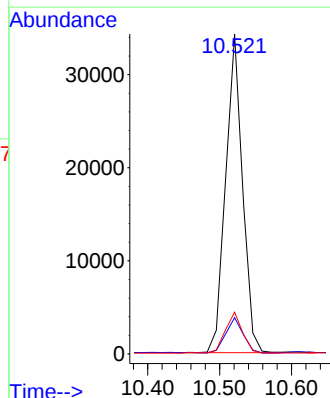
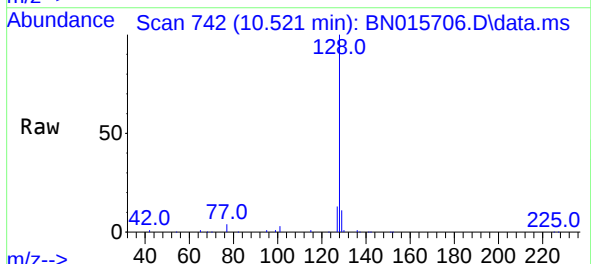
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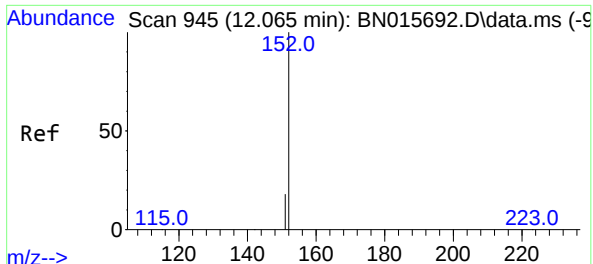
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#9
Naphthalene
Concen: 0.283 ng
RT: 10.521 min Scan# 742
Delta R.T. -0.000 min
Lab File: BN015706.D
Acq: 27 Jul 2021 16:19

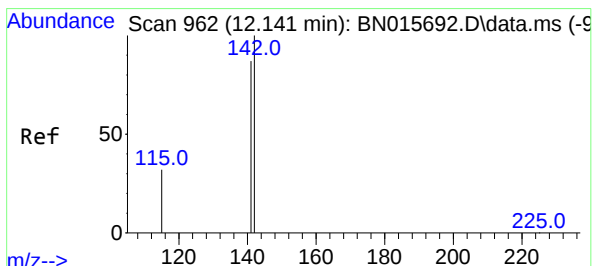
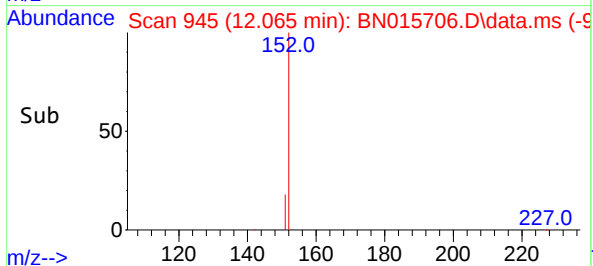
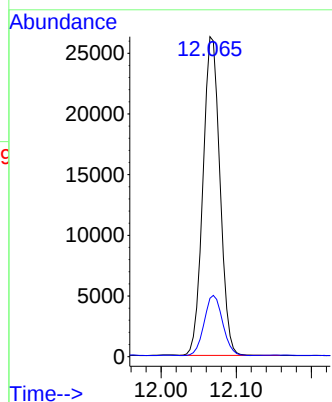
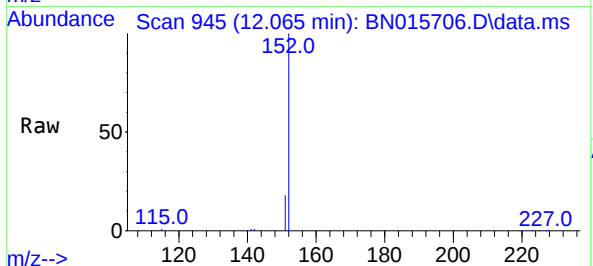
Tgt Ion: 128 Resp: 55775
Ion Ratio Lower Upper
128 100
129 11.3 8.9 13.3
127 13.1 10.4 15.6





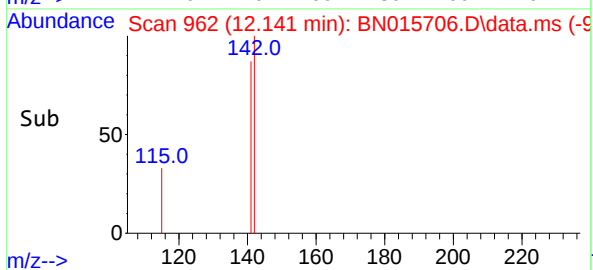
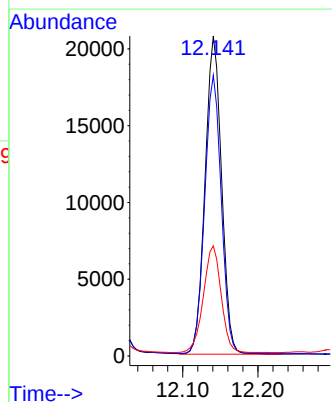
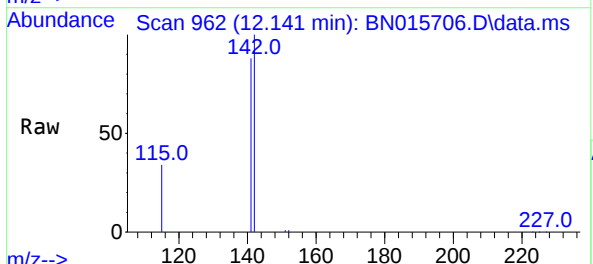
#11
2-Methylnaphthalene-d10
Concen: 0.364 ng
RT: 12.065 min Scan# 945
Delta R.T. -0.000 min
Lab File: BN015706.D
Acq: 27 Jul 2021 16:19

Tgt Ion:152 Resp: 41104
Ion Ratio Lower Upper
152 100
151 20.6 16.3 24.5



#12
2-Methylnaphthalene
Concen: 0.244 ng
RT: 12.141 min Scan# 962
Delta R.T. -0.000 min
Lab File: BN015706.D
Acq: 27 Jul 2021 16:19

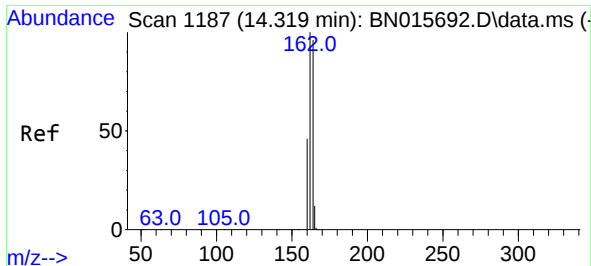
Tgt Ion:142 Resp: 31541
Ion Ratio Lower Upper
142 100
141 87.7 69.4 104.2
115 34.4 25.9 38.9



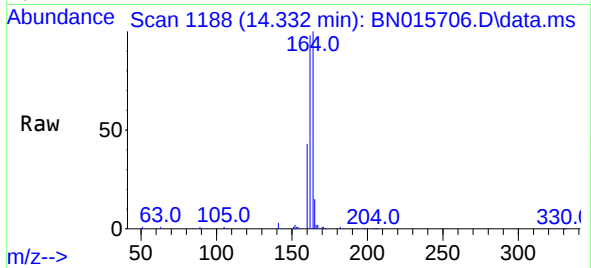
Instrument :
BNA_N
ClientSampleId :
AREA-2-(0-7)

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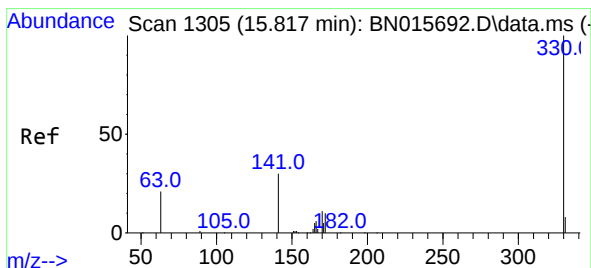
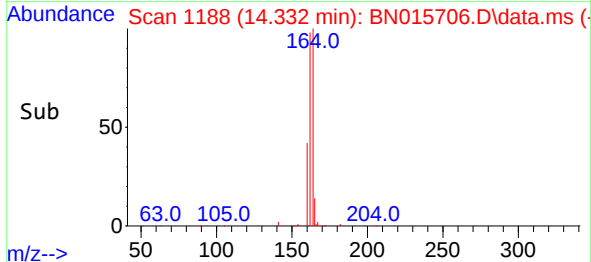
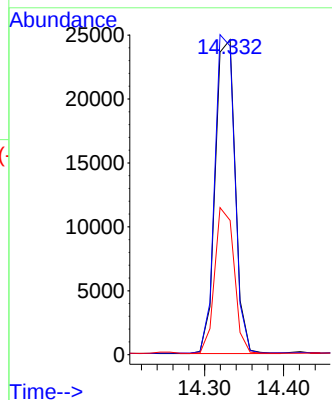
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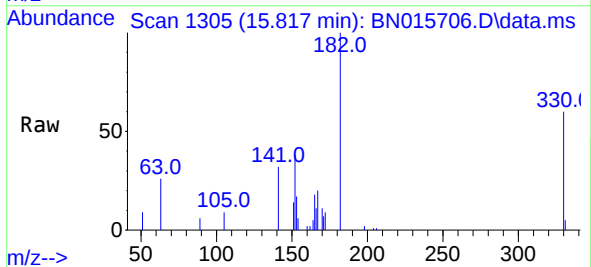
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.332 min Scan# 1188
Delta R.T. 0.013 min
Lab File: BN015706.D
Acq: 27 Jul 2021 16:19



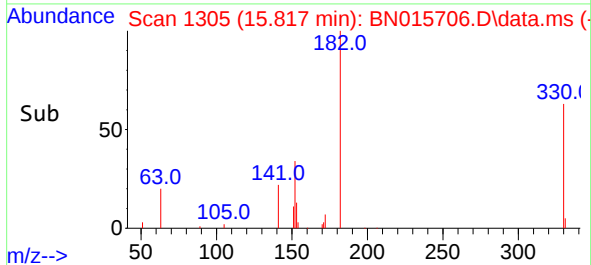
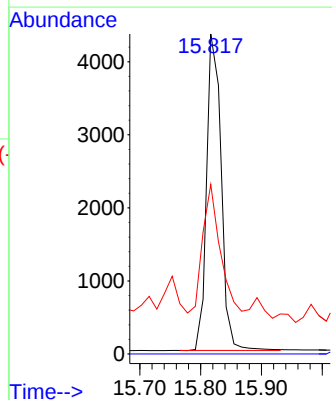
Tgt Ion:164 Resp: 43042
Ion Ratio Lower Upper
164 100
162 98.0 83.6 125.4
160 42.6 38.6 58.0



#14
2,4,6-Tribromophenol
Concen: 0.389 ng
RT: 15.817 min Scan# 1305
Delta R.T. -0.000 min
Lab File: BN015706.D
Acq: 27 Jul 2021 16:19



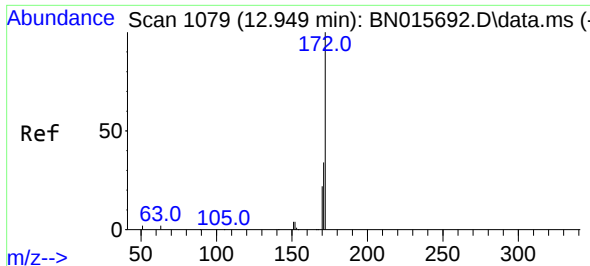
Tgt Ion:330 Resp: 7241
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 47.9 28.5 42.7#



Instrument :
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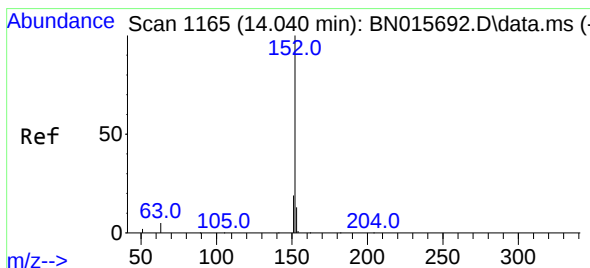
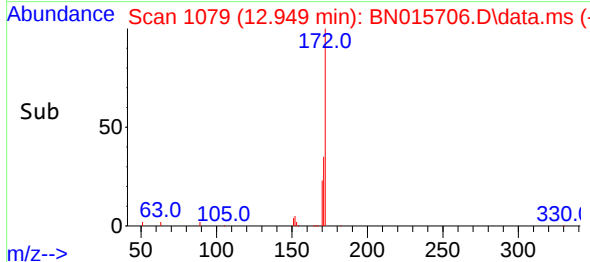
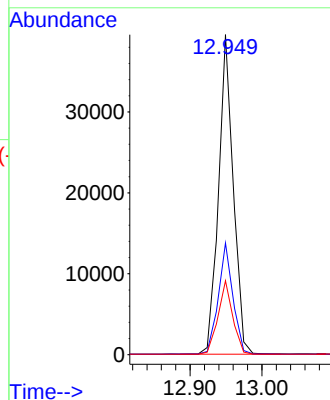
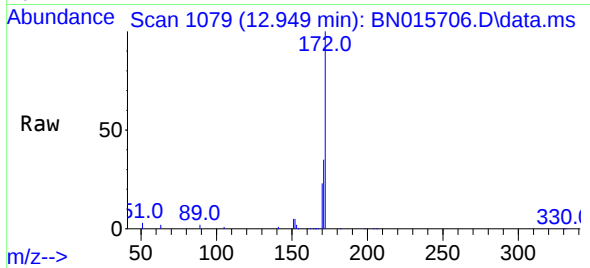
#15
2-Fluorobiphenyl
Concen: 0.330 ng
RT: 12.949 min Scan# 1079
Delta R.T. -0.000 min
Lab File: BN015706.D
Acq: 27 Jul 2021 16:19

Tgt Ion:172 Resp: 56206
Ion Ratio Lower Upper
172 100
171 34.9 27.4 41.0
170 23.1 17.9 26.9

Instrument :
BNA_N
ClientSampleId :
AREA-2-(0-7)

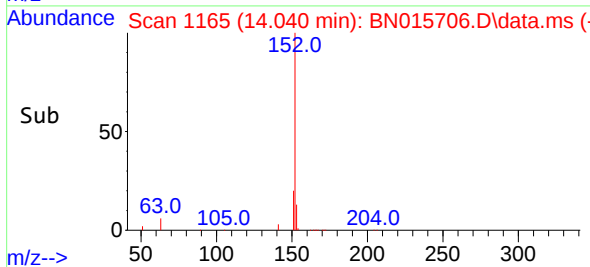
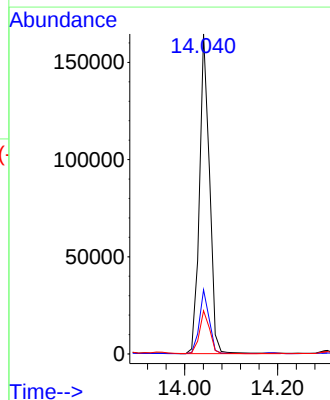
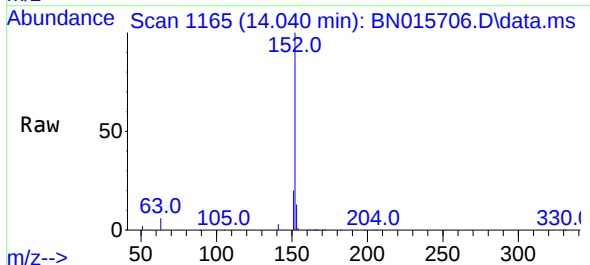
Manual Integrations
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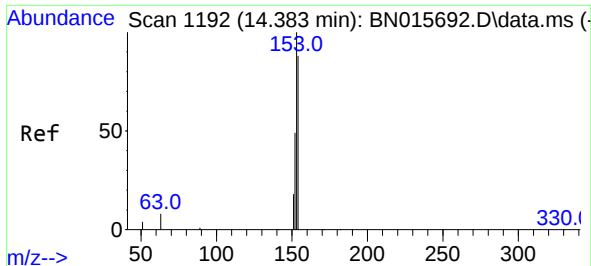
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#16
Acenaphthylene
Concen: 1.322 ng
RT: 14.040 min Scan# 1165
Delta R.T. -0.000 min
Lab File: BN015706.D
Acq: 27 Jul 2021 16:19

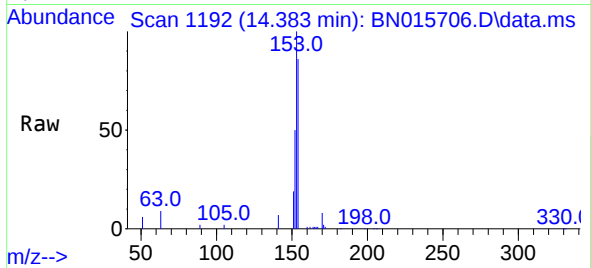
Tgt Ion:152 Resp: 245916
Ion Ratio Lower Upper
152 100
151 19.6 15.4 23.2
153 13.6 10.4 15.6





#17
Acenaphthene
Concen: 0.197 ng
RT: 14.383 min Scan# 1192
Delta R.T. -0.000 min
Lab File: BN015706.D
Acq: 27 Jul 2021 16:19

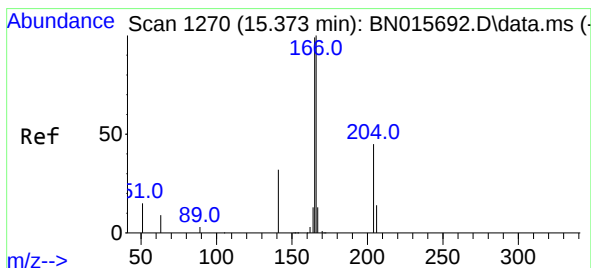
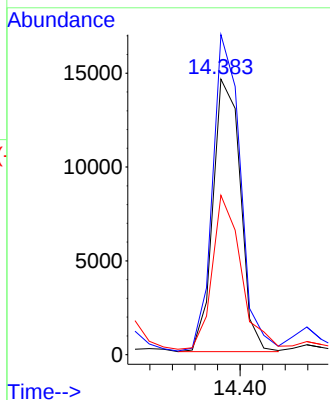
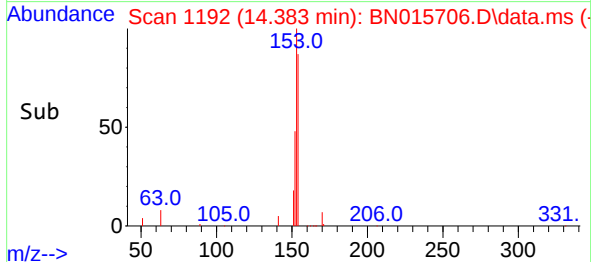
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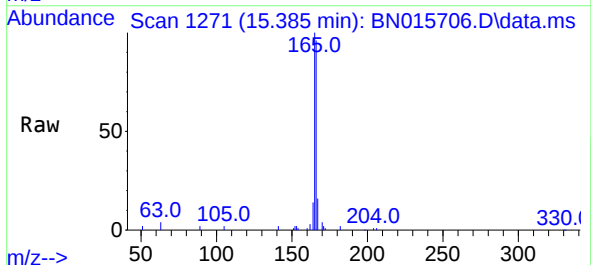
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Ion Ratio Lower Upper
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153 117.5 89.0 133.6
152 59.5 43.3 64.9

Manual Integrations
APPROVED

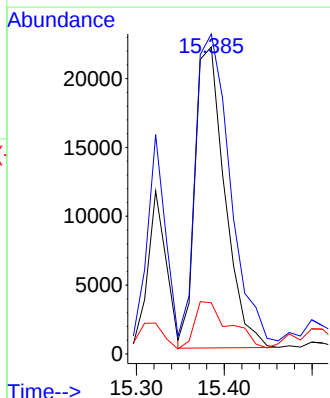
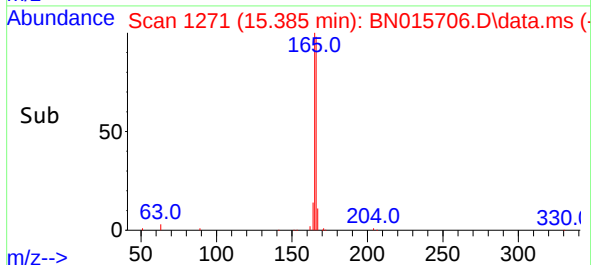
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7/28/2021 11:34:24 AM

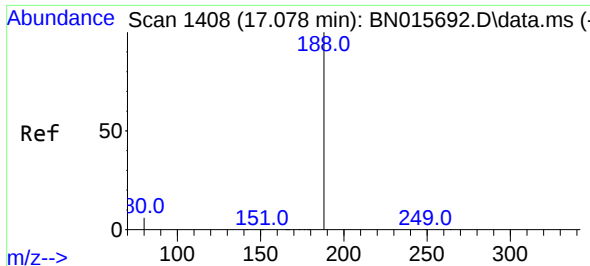


#18
Fluorene
Concen: 0.339 ng
RT: 15.385 min Scan# 1271
Delta R.T. 0.013 min
Lab File: BN015706.D
Acq: 27 Jul 2021 16:19



Tgt Ion:166 Resp: 51522
Ion Ratio Lower Upper
166 100
165 118.0 77.9 116.9#
167 18.8 10.8 16.2#





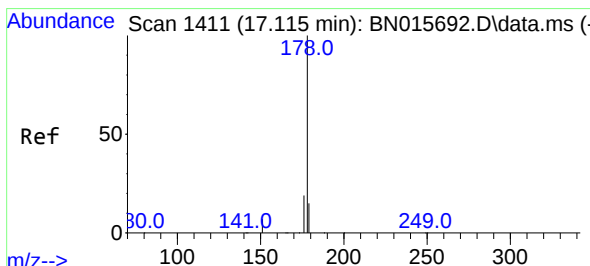
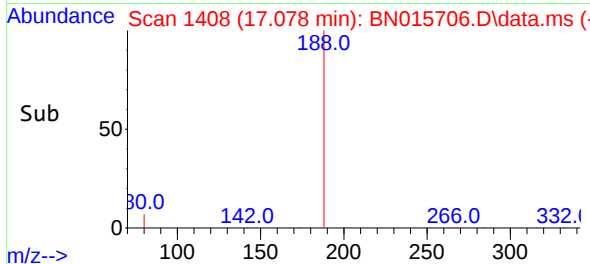
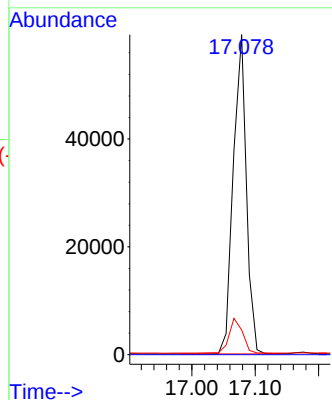
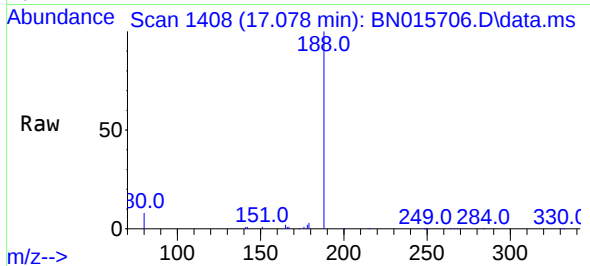
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.078 min Scan# 1408
Delta R.T. -0.000 min
Lab File: BN015706.D
Acq: 27 Jul 2021 16:19

Tgt Ion:188 Resp: 85119
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 7.8 5.3 7.9

Instrument :
BNA_N
ClientSampleId :
AREA-2-(0-7)

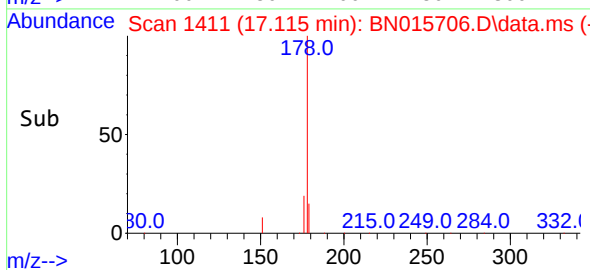
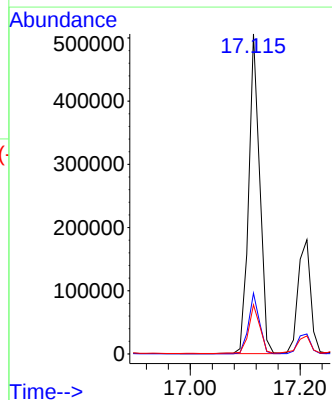
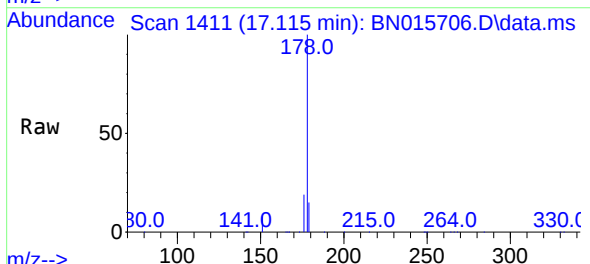
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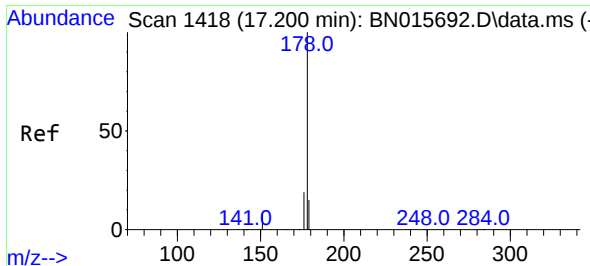
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#25
Phenanthrene
Concen: 2.780 ng
RT: 17.115 min Scan# 1411
Delta R.T. -0.000 min
Lab File: BN015706.D
Acq: 27 Jul 2021 16:19

Tgt Ion:178 Resp: 698717
Ion Ratio Lower Upper
178 100
176 18.7 15.1 22.7
179 15.7 12.4 18.6





#26
 Anthracene
 Concen: 1.279 ng
 RT: 17.212 min Scan# 1419
 Delta R.T. 0.012 min
 Lab File: BN015706.D
 Acq: 27 Jul 2021 16:19

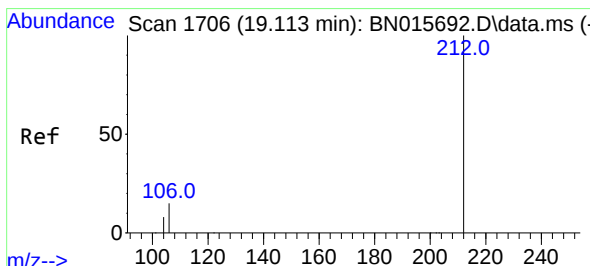
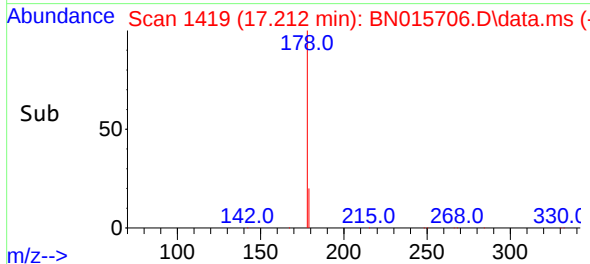
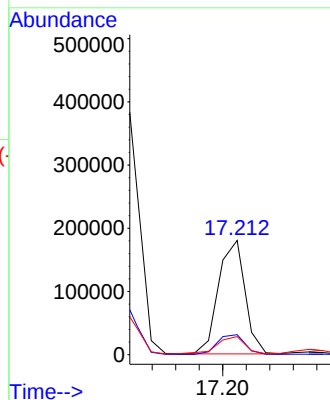
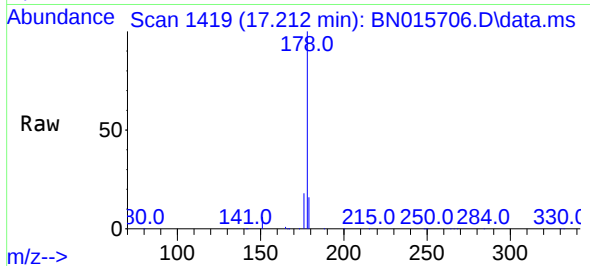
Tgt Ion:178 Resp: 282234

Ion	Ratio	Lower	Upper
178	100		
176	18.1	14.6	21.8
179	15.6	12.2	18.2

Instrument :
 BNA_N
 ClientSampleId :
 AREA-2-(0-7)

Manual Integrations
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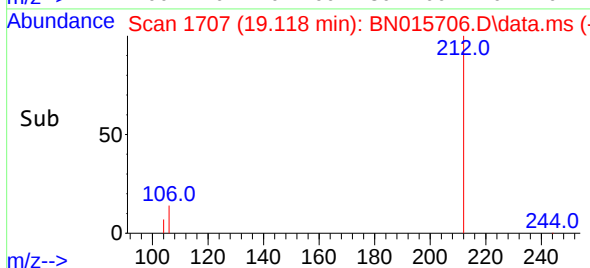
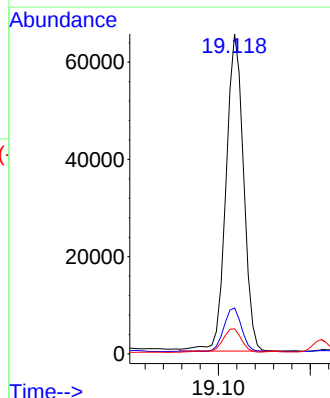
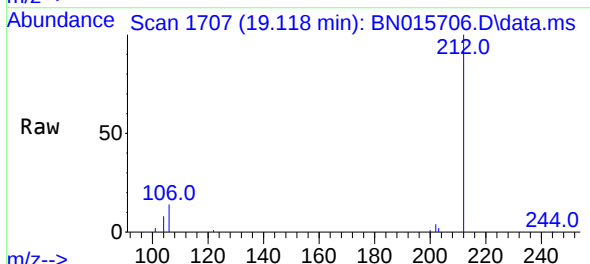
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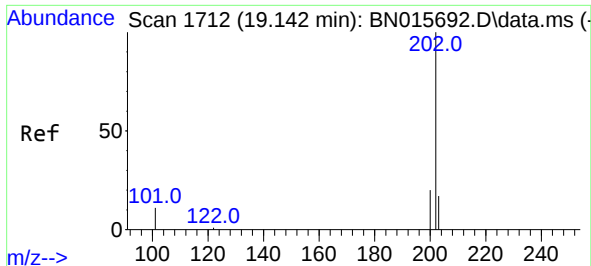


#27
 Fluoranthene-d10
 Concen: 0.371 ng
 RT: 19.118 min Scan# 1707
 Delta R.T. 0.005 min
 Lab File: BN015706.D
 Acq: 27 Jul 2021 16:19

Tgt Ion:212 Resp: 86550

Ion	Ratio	Lower	Upper
212	100		
106	14.0	11.5	17.3
104	8.2	6.3	9.5





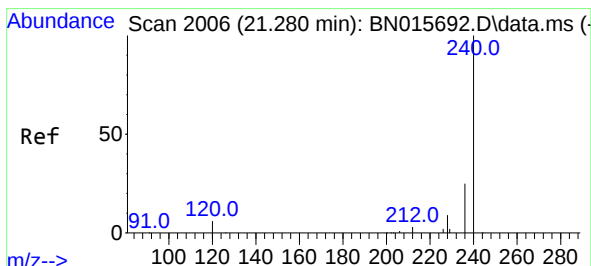
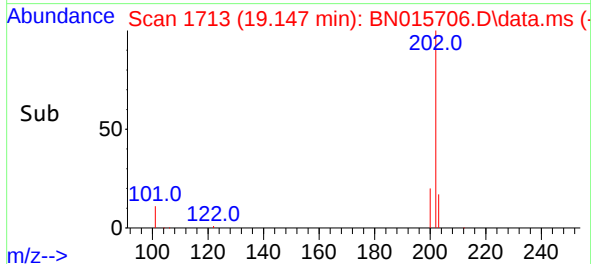
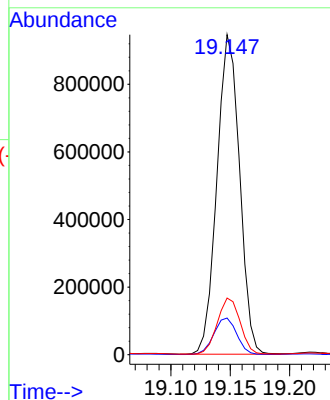
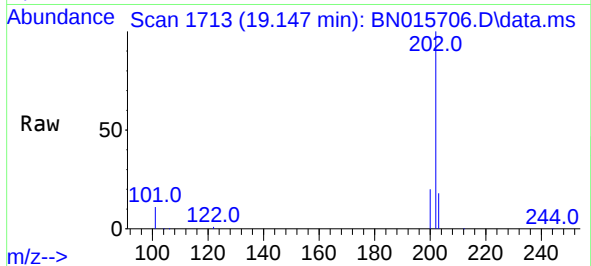
#28
Fluoranthene
Concen: 4.476 ng
RT: 19.147 min Scan# 1713
Delta R.T. 0.005 min
Lab File: BN015706.D
Acq: 27 Jul 2021 16:19

Tgt Ion:202 Resp: 1252698
Ion Ratio Lower Upper
202 100
101 11.5 9.4 14.2
203 17.8 13.8 20.8

Instrument :
BNA_N
ClientSampleId :
AREA-2-(0-7)

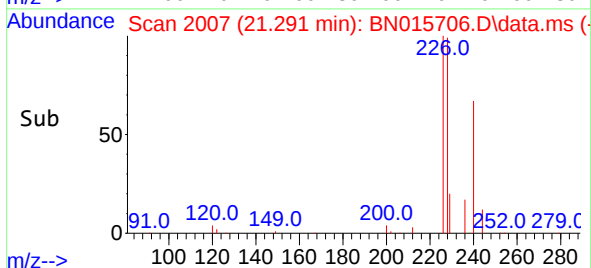
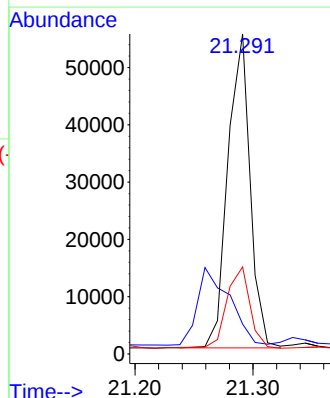
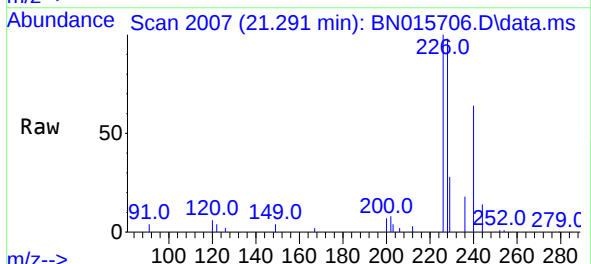
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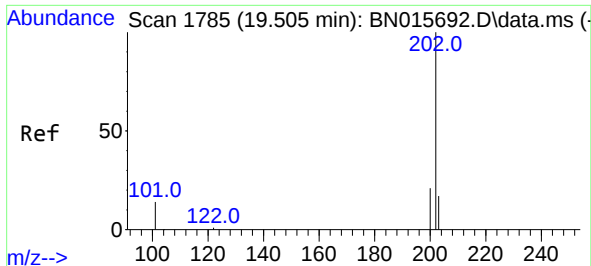
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#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.291 min Scan# 2007
Delta R.T. 0.011 min
Lab File: BN015706.D
Acq: 27 Jul 2021 16:19

Tgt Ion:240 Resp: 71810
Ion Ratio Lower Upper
240 100
120 9.4 4.9 7.3#
236 27.2 20.4 30.6





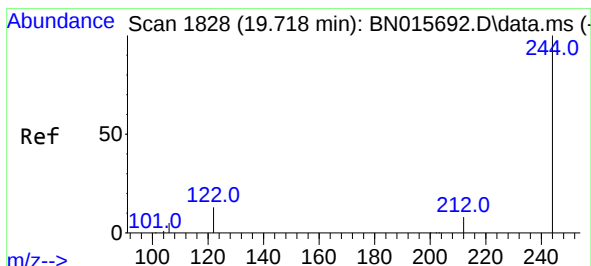
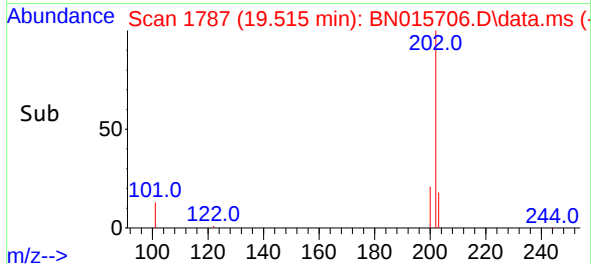
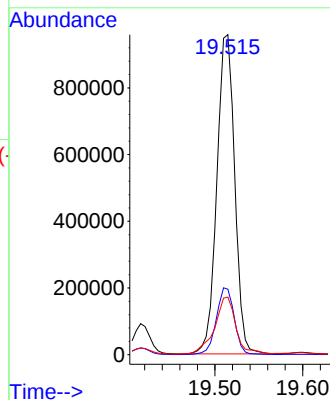
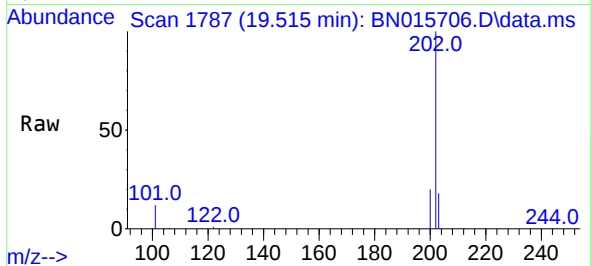
#30
Pyrene
Concen: 5.413 ng
RT: 19.515 min Scan# 1787
Delta R.T. 0.010 min
Lab File: BN015706.D
Acq: 27 Jul 2021 16:19

Tgt Ion:202 Resp: 1354950
Ion Ratio Lower Upper
202 100
200 20.8 16.4 24.6
203 21.1 13.9 20.9#

Instrument :
BNA_N
ClientSampled :
AREA-2-(0-7)

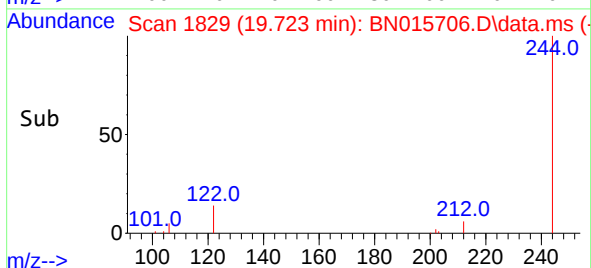
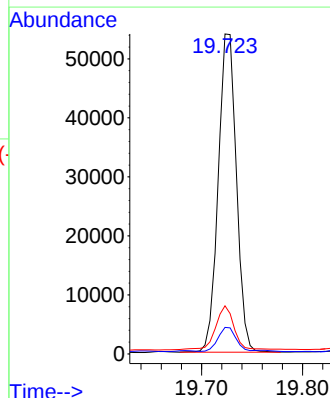
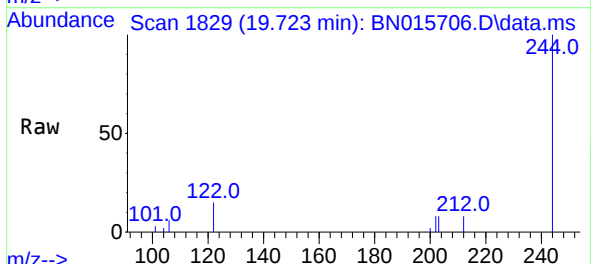
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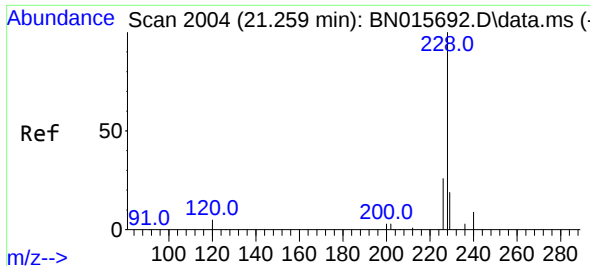
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#31
Terphenyl-d14
Concen: 0.402 ng
RT: 19.723 min Scan# 1829
Delta R.T. -0.000 min
Lab File: BN015706.D
Acq: 27 Jul 2021 16:19

Tgt Ion:244 Resp: 67512
Ion Ratio Lower Upper
244 100
212 8.3 6.2 9.2
122 15.0 10.9 16.3





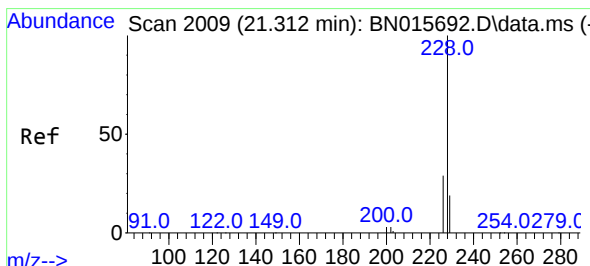
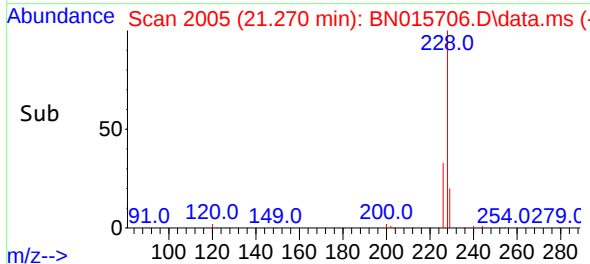
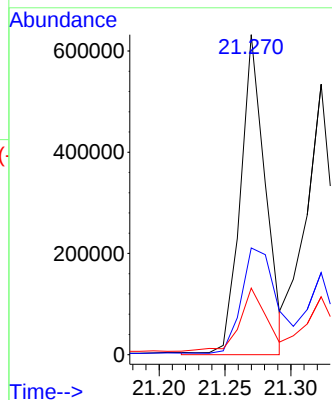
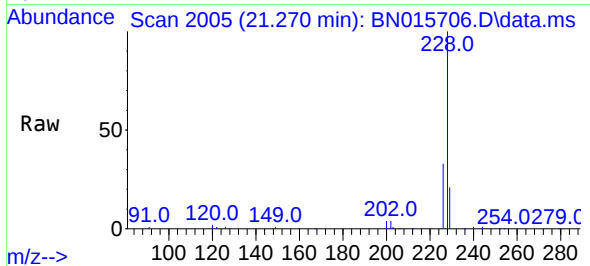
#32
Benzo(a)anthracene
Concen: 3.436 ng m
RT: 21.270 min Scan# 2005
Delta R.T. 0.011 min
Lab File: BN015706.D
Acq: 27 Jul 2021 16:19

Tgt Ion:228 Resp: 835322
Ion Ratio Lower Upper
228 100
226 33.4 21.2 31.8#
229 20.8 15.5 23.3

Instrument :
BNA_N
ClientSampleId :
AREA-2-(0-7)

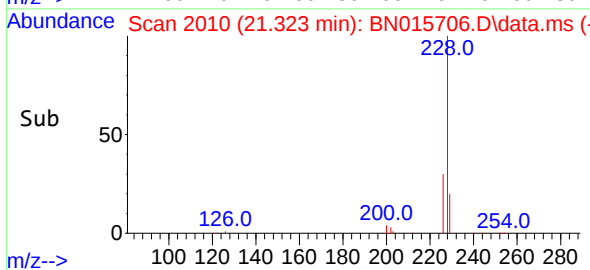
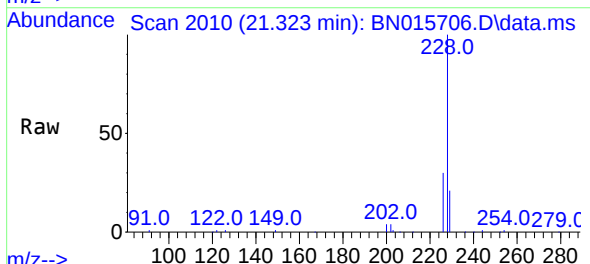
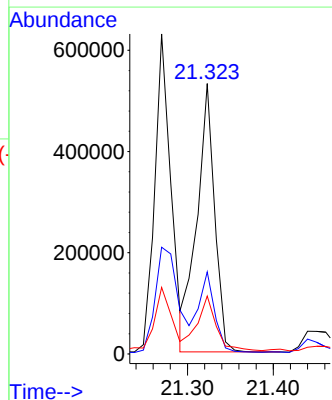
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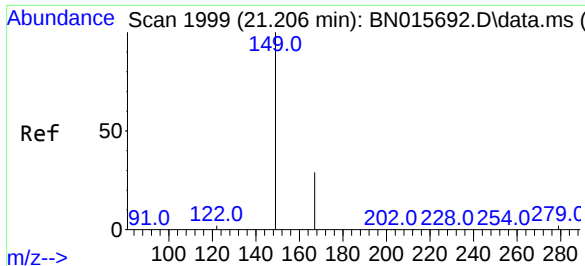
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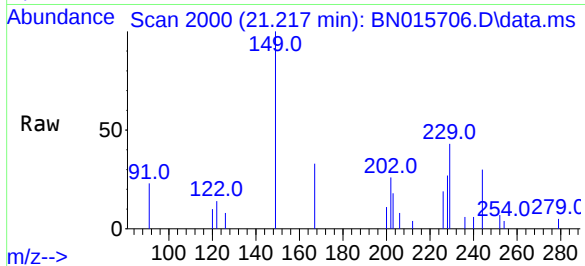
#33
Chrysene
Concen: 3.138 ng
RT: 21.323 min Scan# 2010
Delta R.T. 0.011 min
Lab File: BN015706.D
Acq: 27 Jul 2021 16:19

Tgt Ion:228 Resp: 760712
Ion Ratio Lower Upper
228 100
226 30.3 23.4 35.0
229 21.4 15.5 23.3

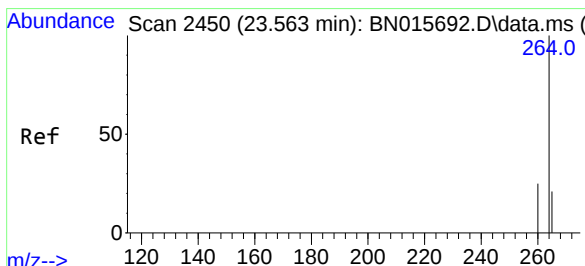
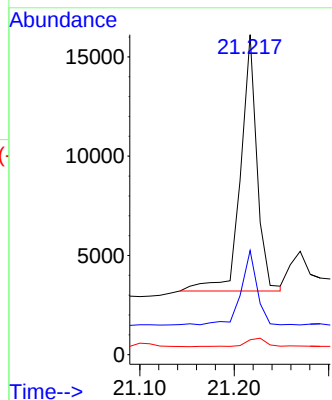
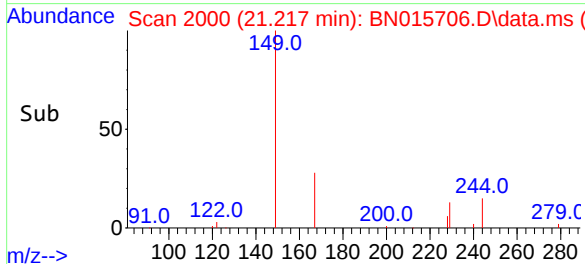




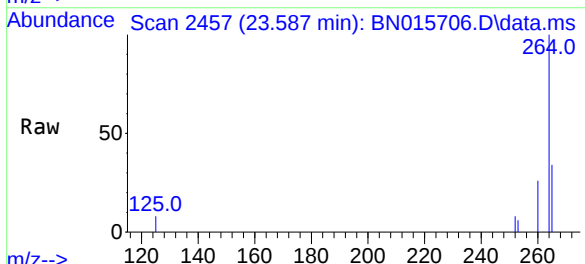
#34
Bis(2-ethylhexyl)phthalate
Concen: 0.278 ng
RT: 21.217 min Scan# 2000
Delta R.T. 0.011 min
Lab File: BN015706.D
Acq: 27 Jul 2021 16:19



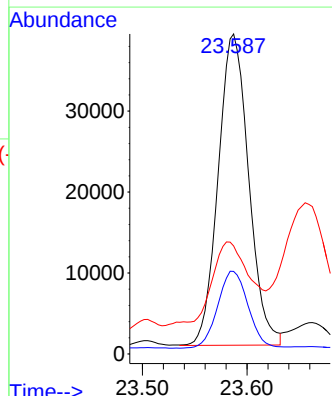
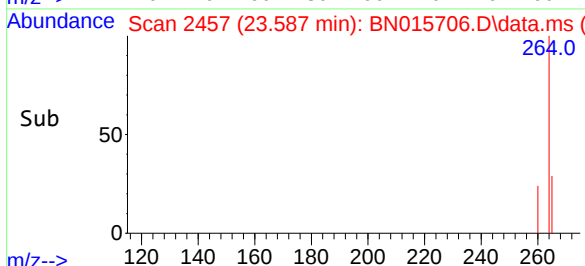
Tgt Ion:149 Resp: 15585
Ion Ratio Lower Upper
149 100
167 27.9 22.6 34.0
279 4.6 2.8 4.2#



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.587 min Scan# 2457
Delta R.T. 0.017 min
Lab File: BN015706.D
Acq: 27 Jul 2021 16:19



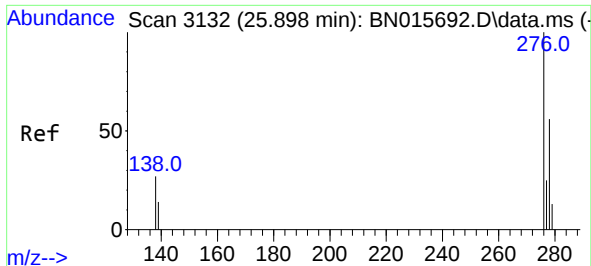
Tgt Ion:264 Resp: 77970
Ion Ratio Lower Upper
264 100
260 25.8 19.8 29.8
265 33.8 19.0 28.6#



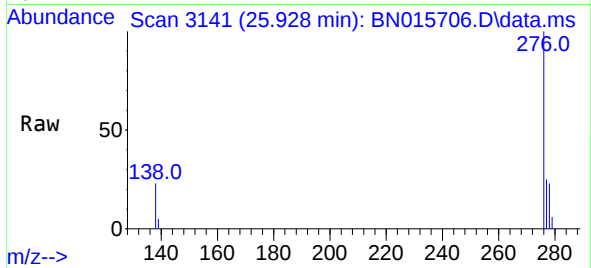
Instrument :
BNA_N
ClientSampleId :
AREA-2-(0-7)

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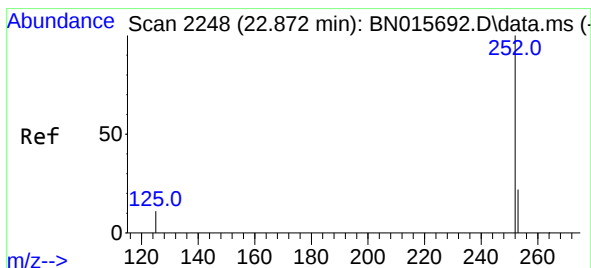
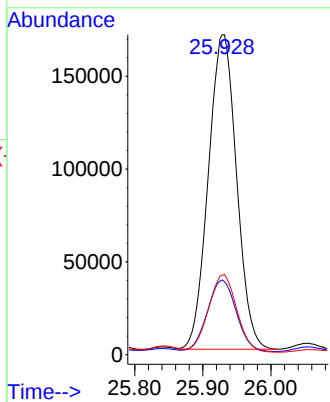
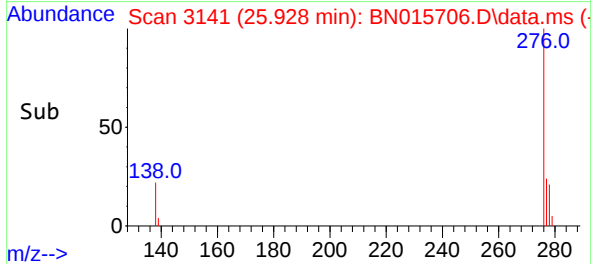
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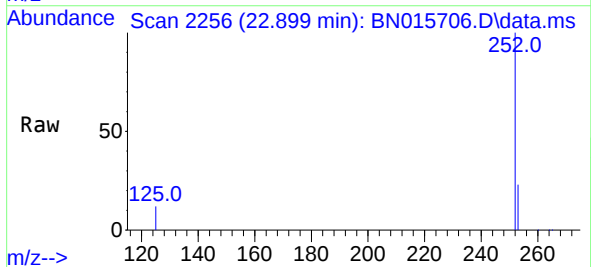
#36
 Indeno(1,2,3-cd)pyrene
 Concen: 1.638 ng
 RT: 25.928 min Scan# 3141
 Delta R.T. 0.020 min
 Lab File: BN015706.D
 Acq: 27 Jul 2021 16:19



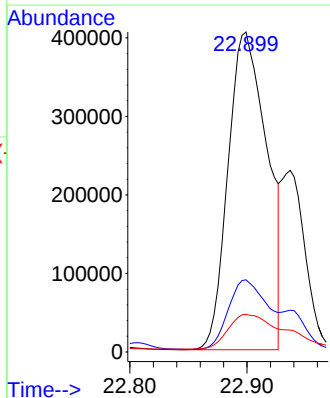
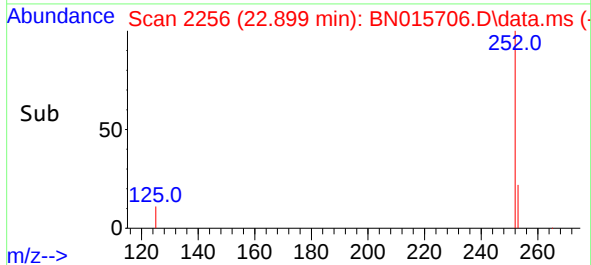
Tgt Ion:276 Resp: 488203
 Ion Ratio Lower Upper
 276 100
 138 23.3 23.0 34.4
 277 24.9 20.0 30.0



#37
 Benzo(b)fluoranthene
 Concen: 3.457 ng
 RT: 22.899 min Scan# 2256
 Delta R.T. 0.021 min
 Lab File: BN015706.D
 Acq: 27 Jul 2021 16:19



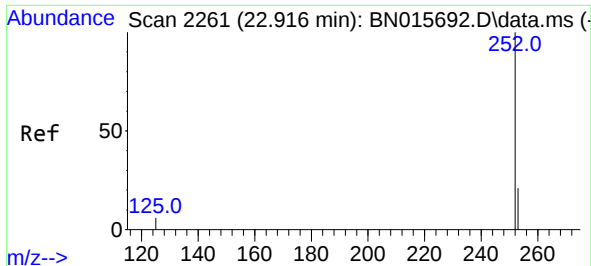
Tgt Ion:252 Resp: 937978
 Ion Ratio Lower Upper
 252 100
 253 22.6 17.5 26.3
 125 11.8 8.9 13.3



Instrument :
 BNA_N
 ClientSampleId :
 AREA-2-(0-7)

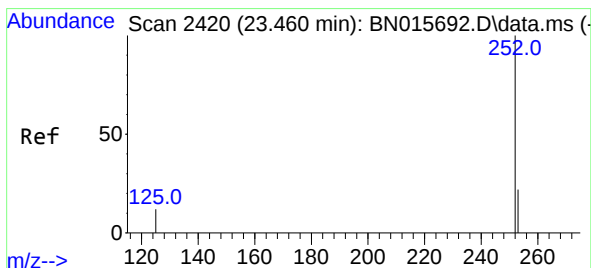
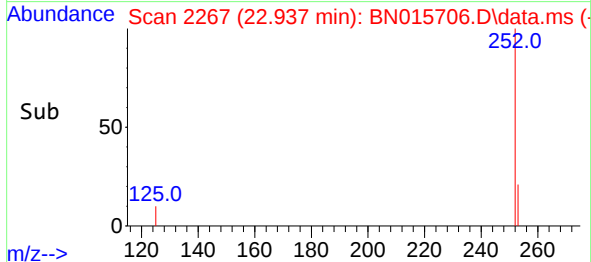
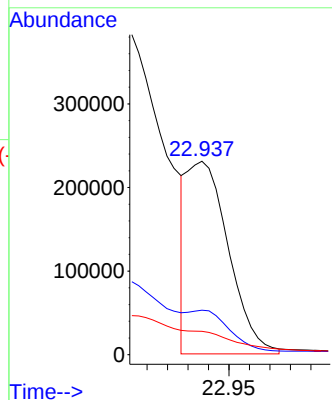
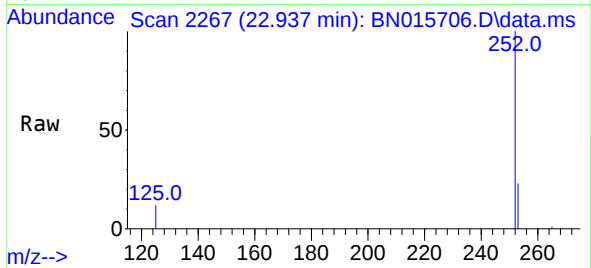
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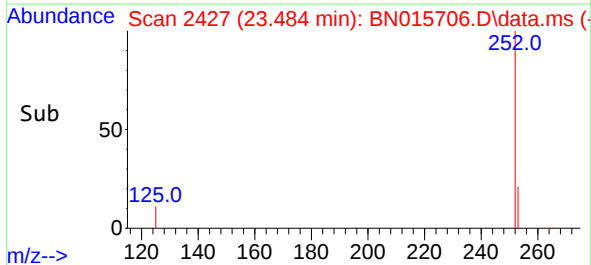
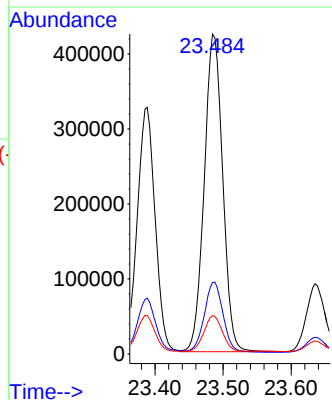
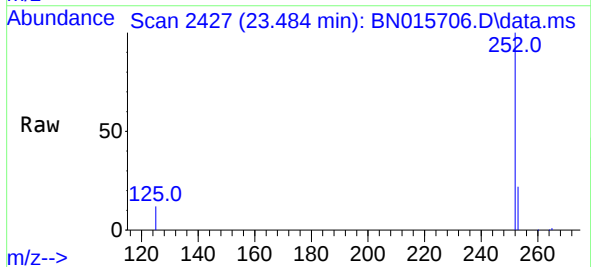
#38
Benzo(k)fluoranthene
Concen: 1.169 ng m
RT: 22.937 min Scan# 2267
Delta R.T. 0.014 min
Lab File: BN015706.D
Acq: 27 Jul 2021 16:19

Tgt Ion:252 Resp: 324555
Ion Ratio Lower Upper
252 100
253 23.0 17.6 26.4
125 12.0 9.4 14.2



#39
Benzo(a)pyrene
Concen: 3.266 ng
RT: 23.484 min Scan# 2427
Delta R.T. 0.014 min
Lab File: BN015706.D
Acq: 27 Jul 2021 16:19

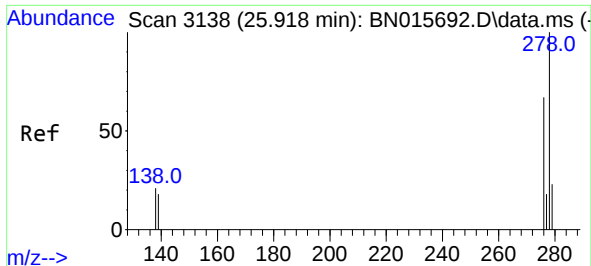
Tgt Ion:252 Resp: 796878
Ion Ratio Lower Upper
252 100
253 22.4 17.7 26.5
125 12.0 10.2 15.2



Instrument :
BNA_N
ClientSampleId :
AREA-2-(0-7)

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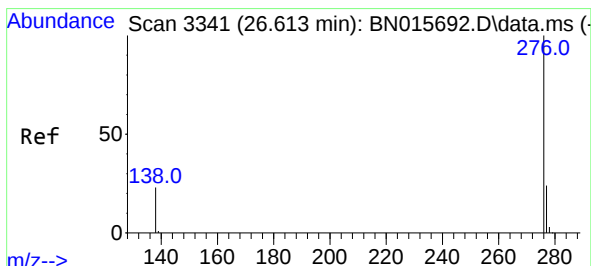
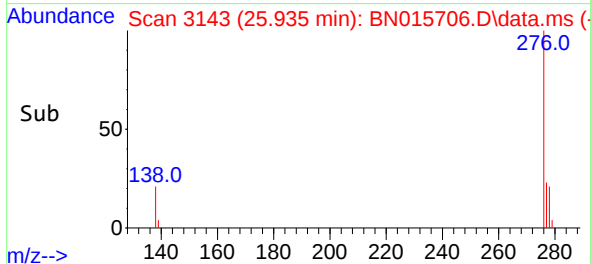
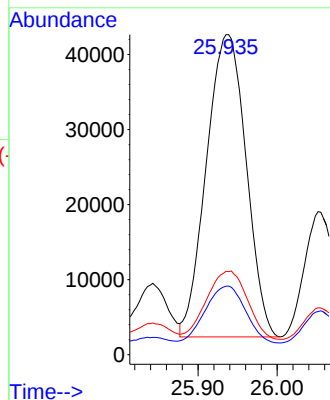
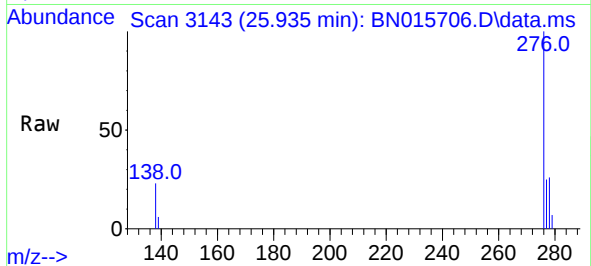
#40
Dibenzo(a,h)anthracene
Concen: 0.575 ng
RT: 25.935 min Scan# 3143
Delta R.T. 0.014 min
Lab File: BN015706.D
Acq: 27 Jul 2021 16:19

Tgt Ion:278 Resp: 140297
Ion Ratio Lower Upper
278 100
139 21.4 15.1 22.7
279 26.0 19.0 28.4

Instrument :
BNA_N
ClientSampled :
AREA-2-(0-7)

Manual Integrations
APPROVED

mohammad
7/28/2021 11:34:24 AM



#41
Benzo(g,h,i)perylene
Concen: 2.040 ng
RT: 26.647 min Scan# 3351
Delta R.T. 0.027 min
Lab File: BN015706.D
Acq: 27 Jul 2021 16:19

Tgt Ion:276 Resp: 507770
Ion Ratio Lower Upper
276 100
277 24.3 19.4 29.0
138 23.5 19.0 28.6

