

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072721\
 Data File : BN015707.D
 Acq On : 27 Jul 2021 17:04
 Operator : CG/JU
 Sample : M3186-03DL 2X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

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

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Quant Time: Jul 27 17:38:13 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	15646	0.400	ng	0.00
7) Naphthalene-d8	10.470	136	75517	0.400	ng	0.00
13) Acenaphthene-d10	14.320	164	44820	0.400	ng	0.00
19) Phenanthrene-d10	17.078	188	89441	0.400	ng	0.00
29) Chrysene-d12	21.281	240	77363	0.400	ng	# 0.00
35) Perylene-d12	23.580	264	77772	0.400	ng	0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.300	112	6863	0.166	ng	0.00
5) Phenol-d6	6.877	99	8247	0.166	ng	0.00
8) Nitrobenzene-d5	8.835	82	9302	0.164	ng	0.00
11) 2-Methylnaphthalene-d10	12.065	152	19608	0.170	ng	0.00
14) 2,4,6-Tribromophenol	15.817	330	3289	0.170	ng	0.00
15) 2-Fluorobiphenyl	12.949	172	27207	0.154	ng	0.00
27) Fluoranthene-d10	19.118	212	42553	0.174	ng	0.00
31) Terphenyl-d14	19.723	244	32896	0.182	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.521	128	26499	0.132	ng	99
12) 2-Methylnaphthalene	12.141	142	14951	0.113	ng	98
16) Acenaphthylene	14.040	152	111598	0.576	ng	99
17) Acenaphthene	14.383	154	11893	0.092	ng	94
18) Fluorene	15.373	166	24088	0.152	ng	# 80
25) Phenanthrene	17.115	178	347762	1.317	ng	99
26) Anthracene	17.212	178	133675	0.576	ng	99
28) Fluoranthene	19.147	202	653170	2.221	ng	99
30) Pyrene	19.510	202	700455	2.597	ng	96
32) Benzo(a)anthracene	21.270	228	428176m	1.635	ng	
33) Chrysene	21.323	228	377617	1.446	ng	98
34) Bis(2-ethylhexyl)phtha...	21.217	149	8055	0.231	ng	# 96
36) Indeno(1,2,3-cd)pyrene	25.918	276	237120	0.797	ng	95
37) Benzo(b)fluoranthene	22.892	252	466651	1.724	ng	98
38) Benzo(k)fluoranthene	22.930	252	164295m	0.593	ng	
39) Benzo(a)pyrene	23.478	252	392740	1.614	ng	99
40) Dibenzo(a,h)anthracene	25.922	278	67851	0.279	ng	# 93
41) Benzo(g,h,i)perylene	26.637	276	244516	0.985	ng	100

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

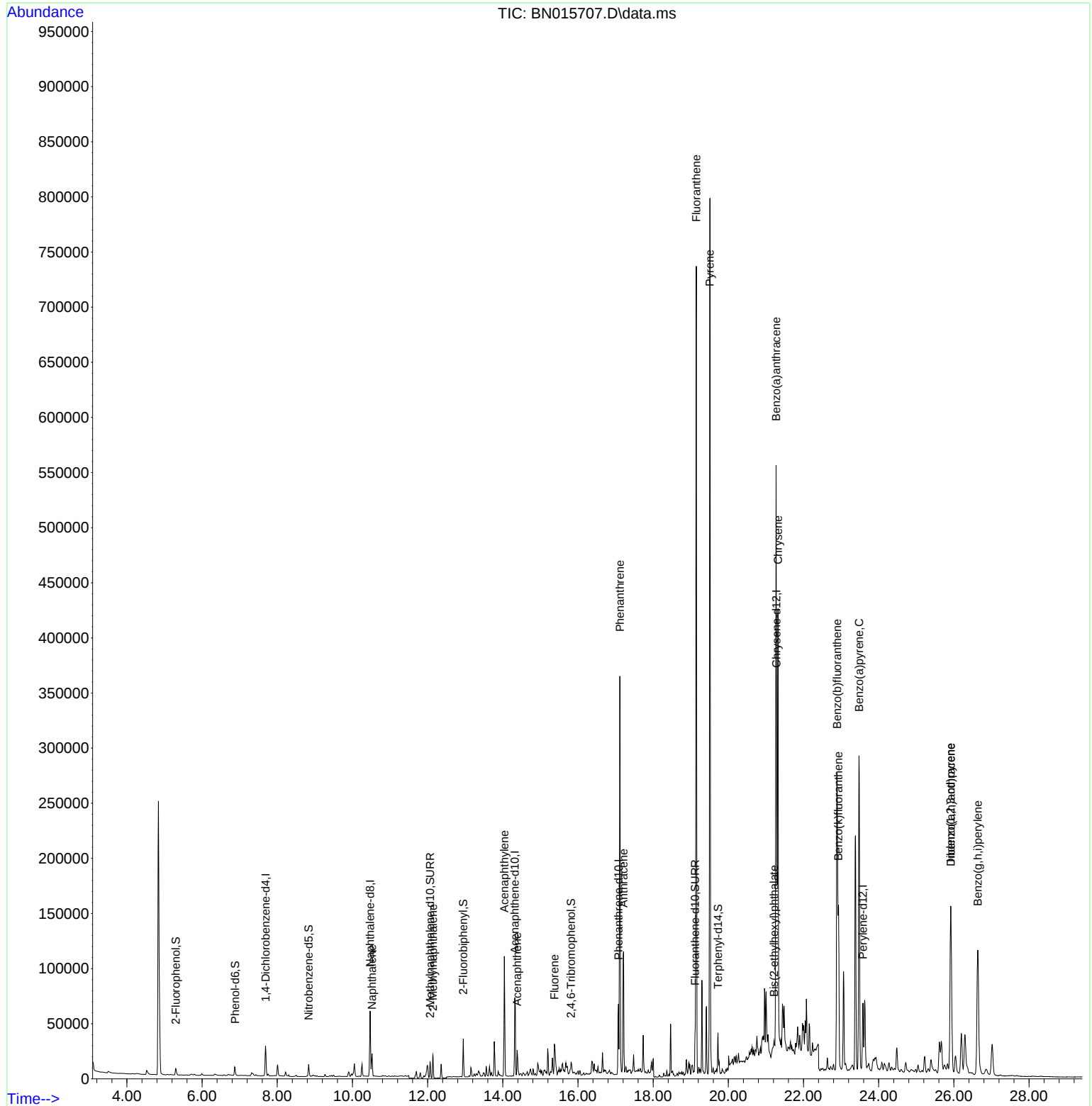
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072721\
Data File : BN015707.D
Acq On : 27 Jul 2021 17:04
Operator : CG/JU
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Misc :
ALS Vial : 9 Sample Multiplier: 1

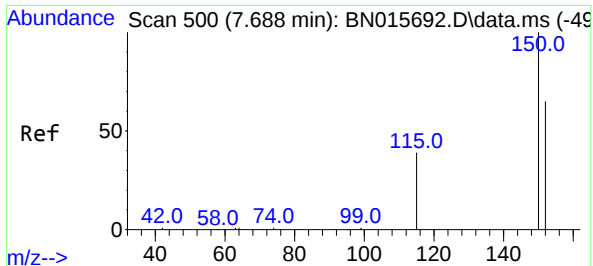
Instrument :
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ClientSampleId :
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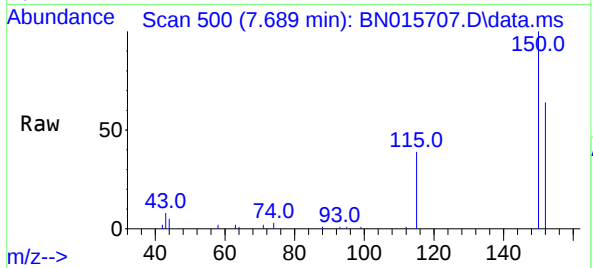
Quant Time: Jul 27 17:38:13 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN072521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 27 13:51:38 2021
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.689 min Scan# 500
Delta R.T. -0.000 min
Lab File: BN015707.D
Acq: 27 Jul 2021 17:04

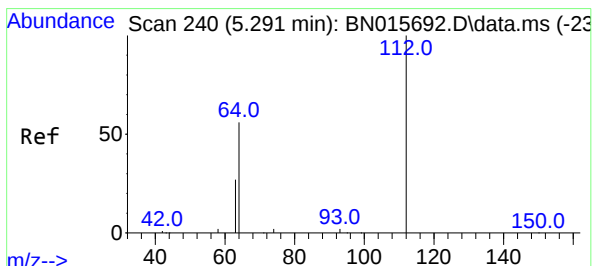
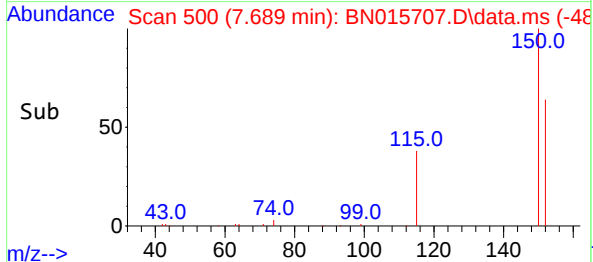
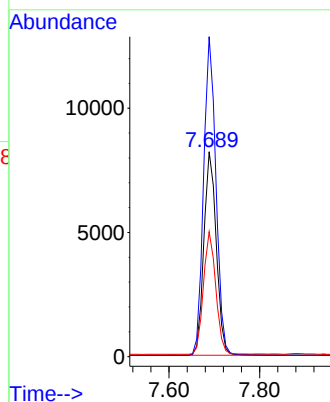
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BNA_N
ClientSampleId :
AREA-2-(0-7)DL



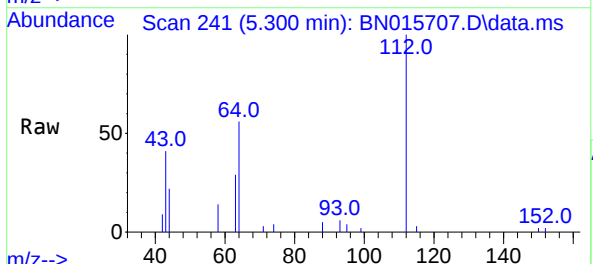
Tgt Ion:152 Resp: 15646
Ion Ratio Lower Upper
152 100
150 156.2 125.2 187.8
115 61.0 48.6 73.0

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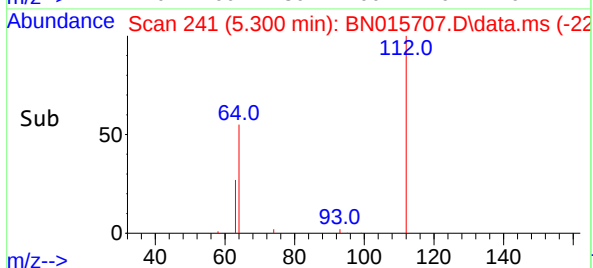
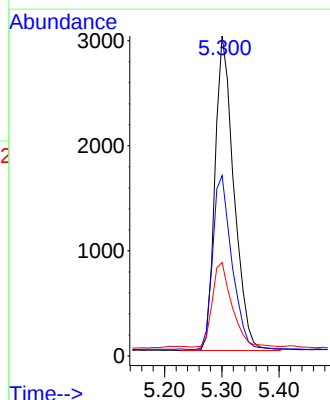
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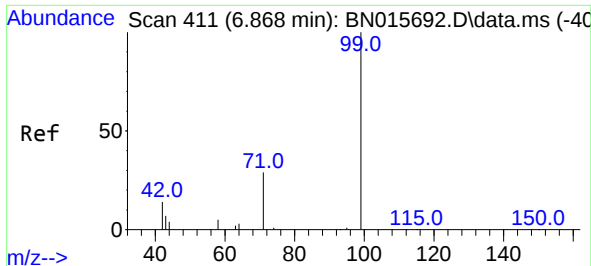


#4
2-Fluorophenol
Concen: 0.166 ng
RT: 5.300 min Scan# 241
Delta R.T. 0.009 min
Lab File: BN015707.D
Acq: 27 Jul 2021 17:04



Tgt Ion:112 Resp: 6863
Ion Ratio Lower Upper
112 100
64 56.0 44.8 67.2
63 27.8 22.2 33.4





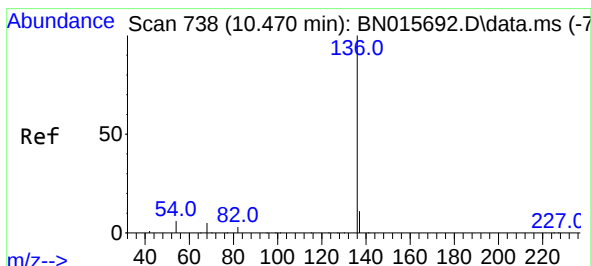
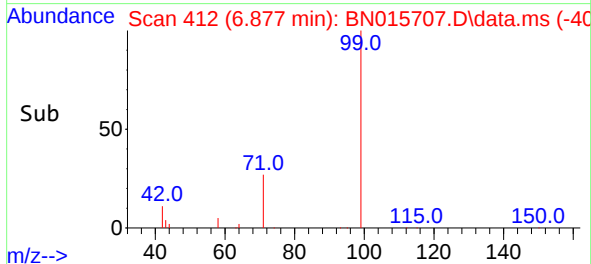
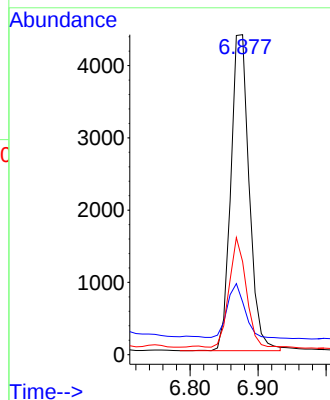
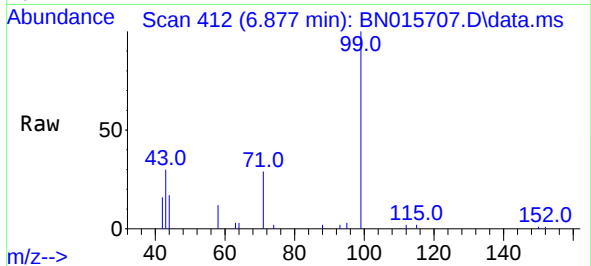
#5
Phenol-d6
Concen: 0.166 ng
RT: 6.877 min Scan# 412
Delta R.T. 0.009 min
Lab File: BN015707.D
Acq: 27 Jul 2021 17:04

Tgt Ion: 99 Resp: 8247
Ion Ratio Lower Upper
99 100
42 16.3 13.4 20.0
71 32.0 24.5 36.7

Instrument :
BNA_N
ClientSampleId :
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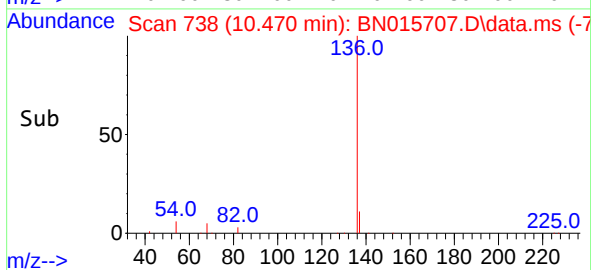
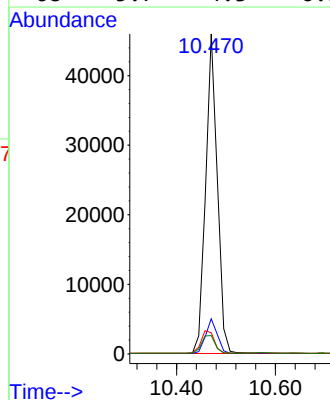
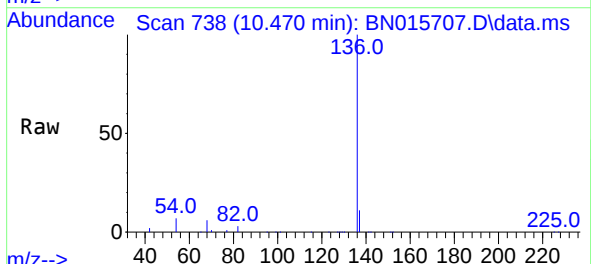
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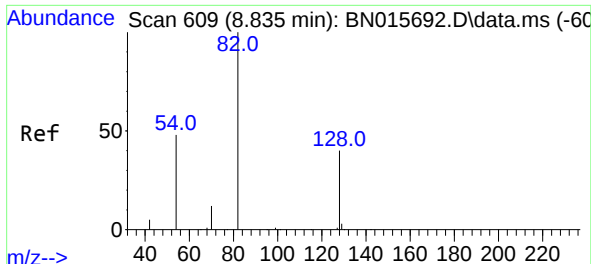
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#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.470 min Scan# 738
Delta R.T. 0.000 min
Lab File: BN015707.D
Acq: 27 Jul 2021 17:04

Tgt Ion: 136 Resp: 75517
Ion Ratio Lower Upper
136 100
137 11.0 8.9 13.3
54 6.7 5.0 7.4
68 5.7 4.3 6.5





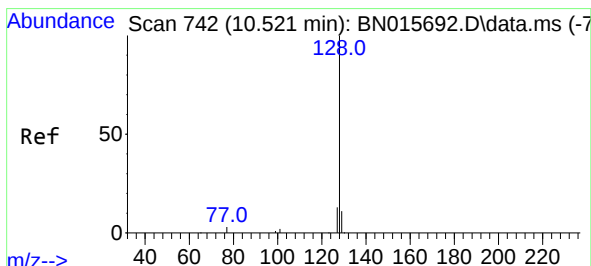
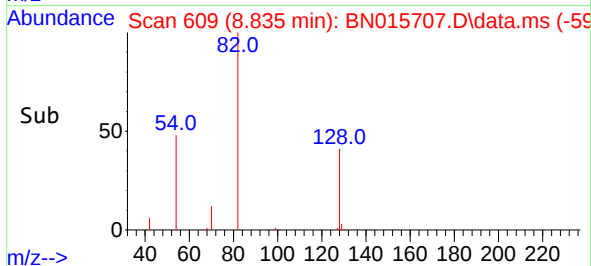
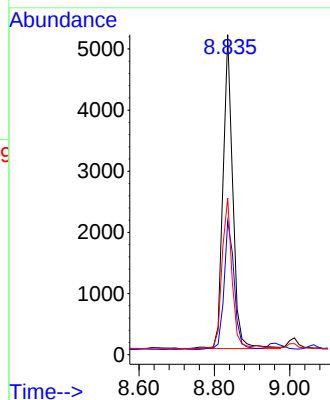
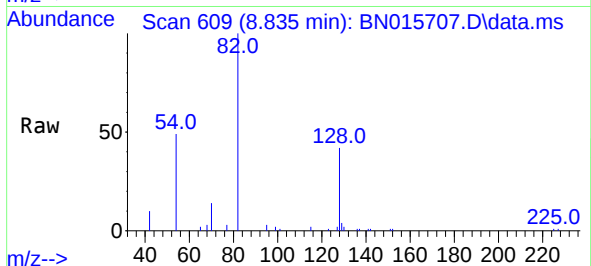
#8
Nitrobenzene-d5
Concen: 0.164 ng
RT: 8.835 min Scan# 609
Delta R.T. 0.000 min
Lab File: BN015707.D
Acq: 27 Jul 2021 17:04

Tgt Ion: 82 Resp: 9302
Ion Ratio Lower Upper
82 100
128 41.8 32.0 48.0
54 48.9 38.9 58.3

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

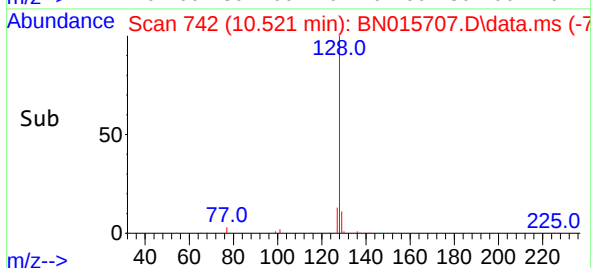
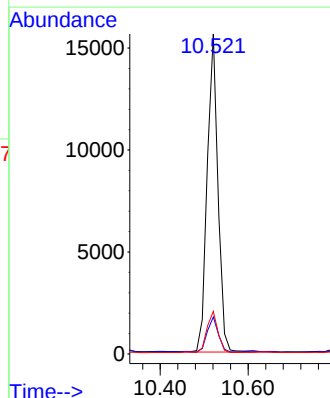
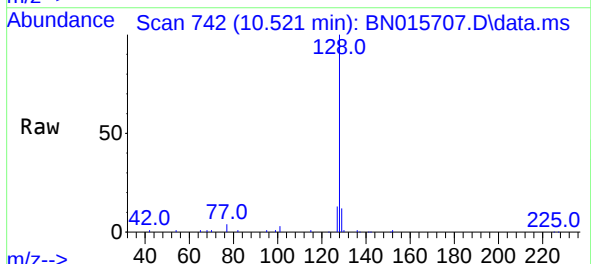
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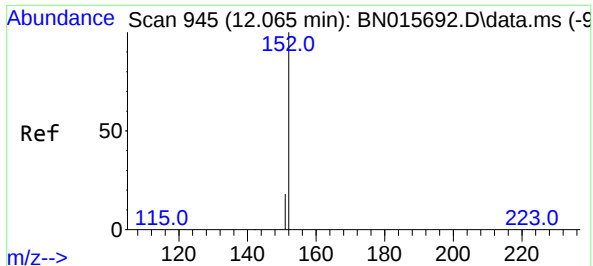
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#9
Naphthalene
Concen: 0.132 ng
RT: 10.521 min Scan# 742
Delta R.T. 0.000 min
Lab File: BN015707.D
Acq: 27 Jul 2021 17:04

Tgt Ion: 128 Resp: 26499
Ion Ratio Lower Upper
128 100
129 11.6 8.9 13.3
127 13.3 10.4 15.6





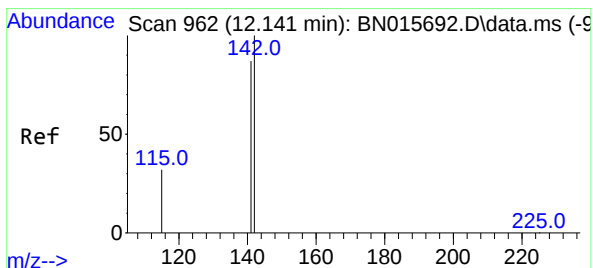
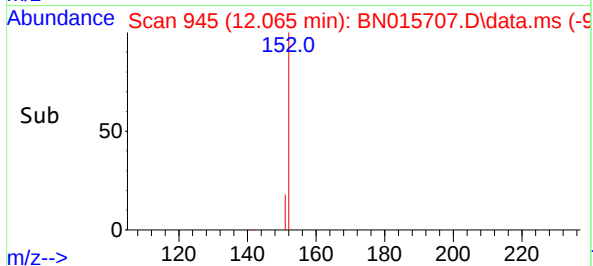
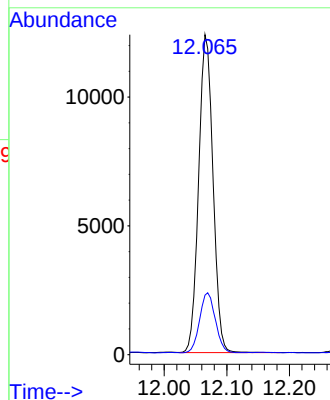
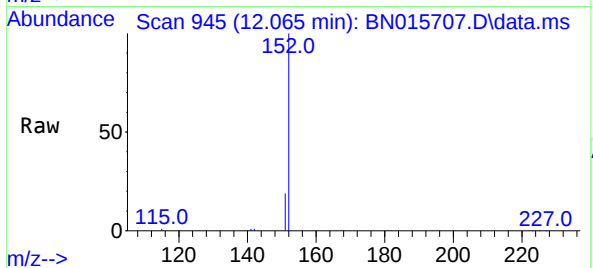
#11
2-Methylnaphthalene-d10
Concen: 0.170 ng
RT: 12.065 min Scan# 945
Delta R.T. 0.000 min
Lab File: BN015707.D
Acq: 27 Jul 2021 17:04

Tgt Ion:152 Resp: 19608
Ion Ratio Lower Upper
152 100
151 20.5 16.3 24.5

Instrument :
BNA_N
ClientSampleId :
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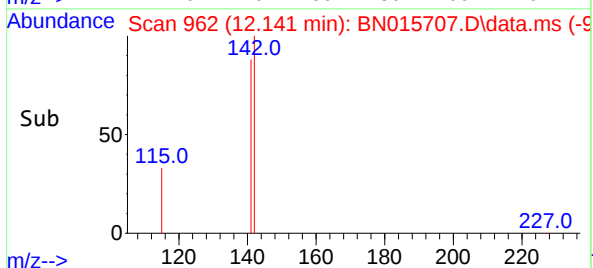
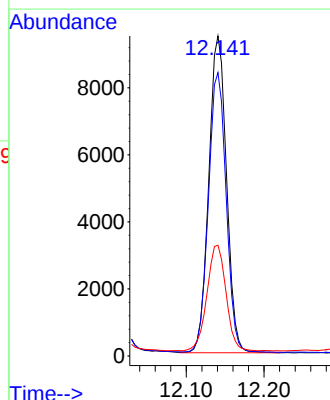
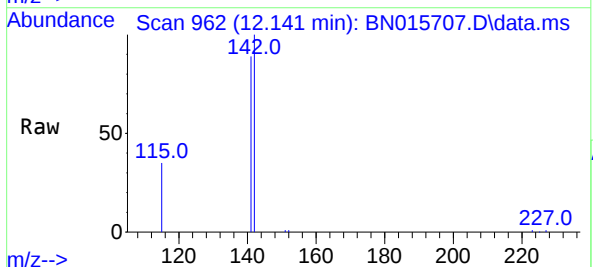
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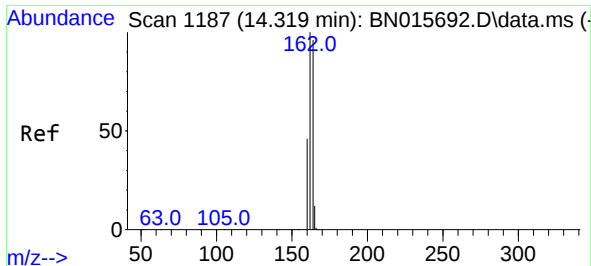
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#12
2-Methylnaphthalene
Concen: 0.113 ng
RT: 12.141 min Scan# 962
Delta R.T. 0.000 min
Lab File: BN015707.D
Acq: 27 Jul 2021 17:04

Tgt Ion:142 Resp: 14951
Ion Ratio Lower Upper
142 100
141 88.5 69.4 104.2
115 34.6 25.9 38.9





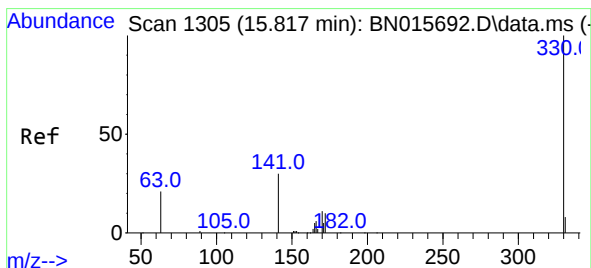
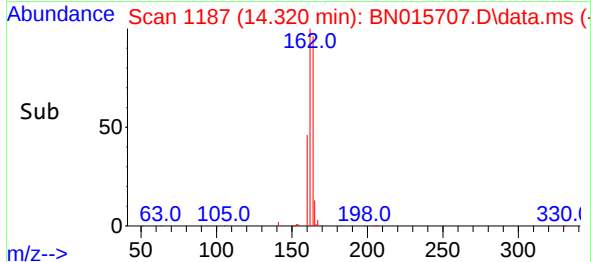
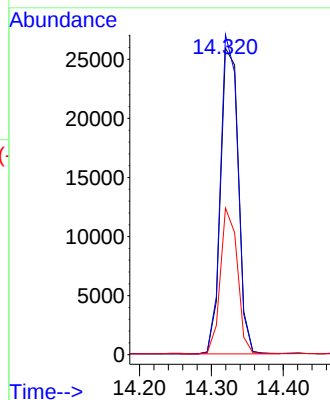
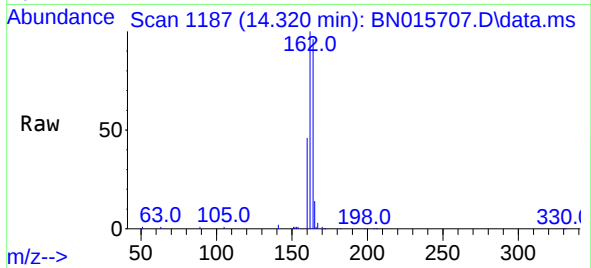
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.320 min Scan# 1187
Delta R.T. 0.000 min
Lab File: BN015707.D
Acq: 27 Jul 2021 17:04

Tgt Ion:164 Resp: 44820
Ion Ratio Lower Upper
164 100
162 104.4 83.6 125.4
160 47.8 38.6 58.0

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

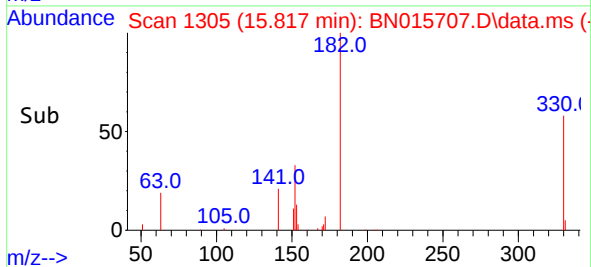
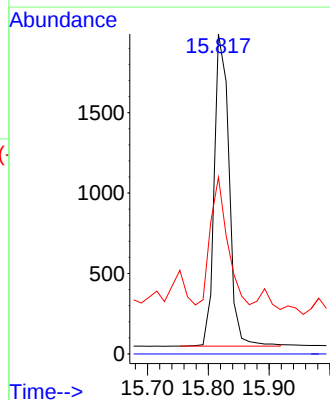
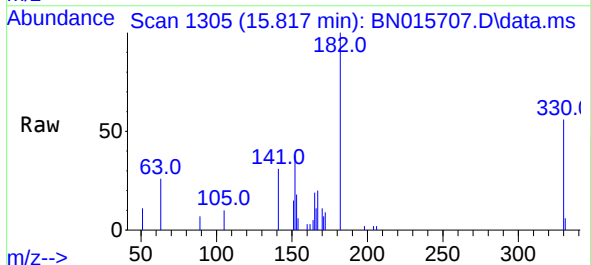
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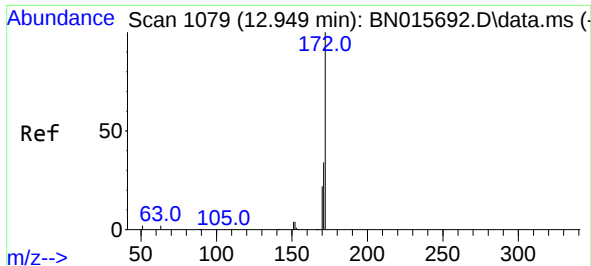
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#14
2,4,6-Tribromophenol
Concen: 0.170 ng
RT: 15.817 min Scan# 1305
Delta R.T. 0.000 min
Lab File: BN015707.D
Acq: 27 Jul 2021 17:04

Tgt Ion:330 Resp: 3289
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 48.3 28.5 42.7#





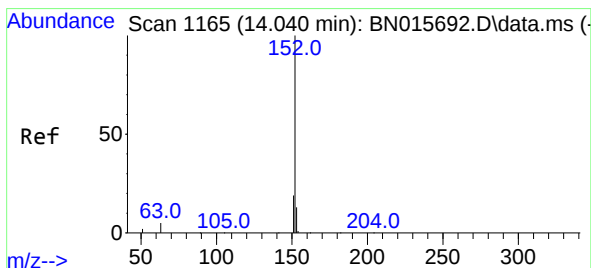
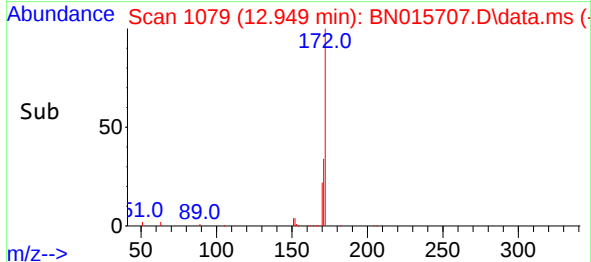
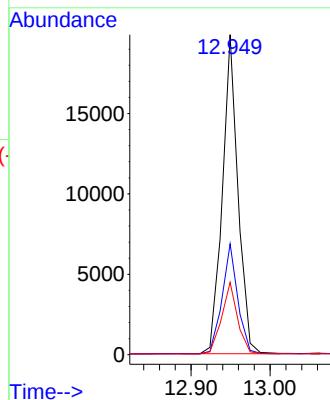
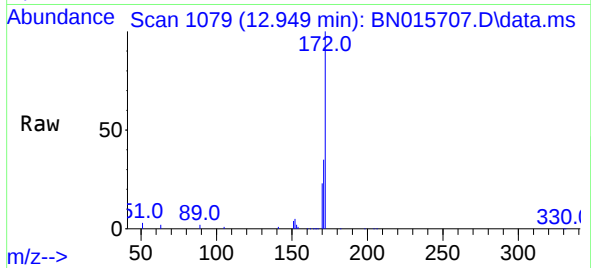
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2-Fluorobiphenyl
Concen: 0.154 ng
RT: 12.949 min Scan# 1079
Delta R.T. 0.000 min
Lab File: BN015707.D
Acq: 27 Jul 2021 17:04

Tgt Ion:172 Resp: 27207
Ion Ratio Lower Upper
172 100
171 34.7 27.4 41.0
170 22.6 17.9 26.9

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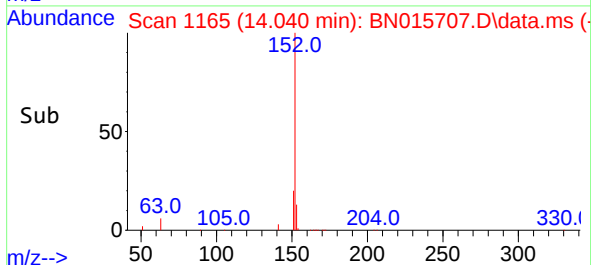
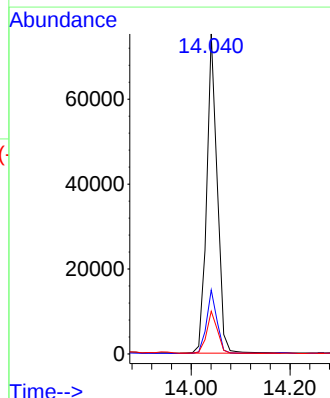
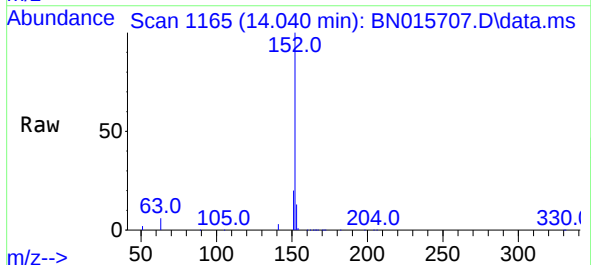
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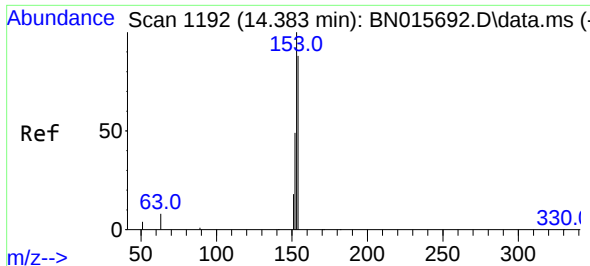
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#16
Acenaphthylene
Concen: 0.576 ng
RT: 14.040 min Scan# 1165
Delta R.T. 0.000 min
Lab File: BN015707.D
Acq: 27 Jul 2021 17:04

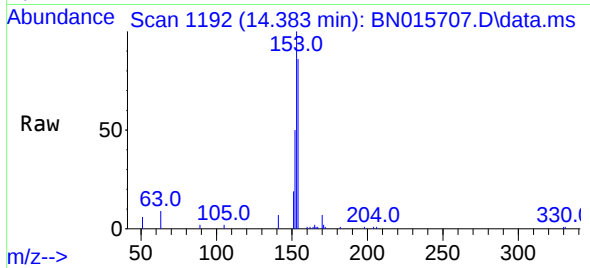
Tgt Ion:152 Resp: 111598
Ion Ratio Lower Upper
152 100
151 19.7 15.4 23.2
153 13.6 10.4 15.6





#17
Acenaphthene
Concen: 0.092 ng
RT: 14.383 min Scan# 1192
Delta R.T. 0.000 min
Lab File: BN015707.D
Acq: 27 Jul 2021 17:04

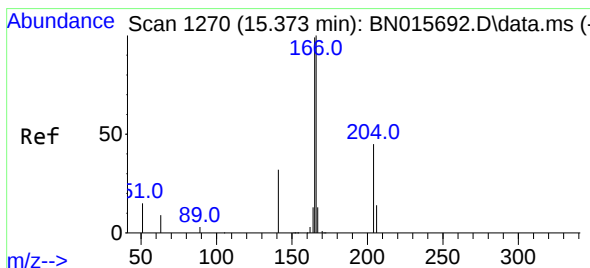
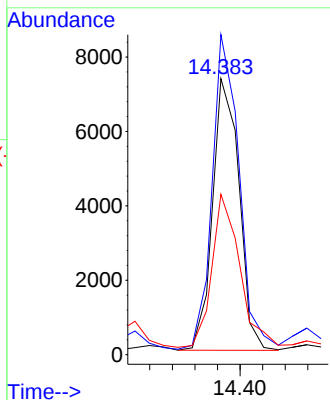
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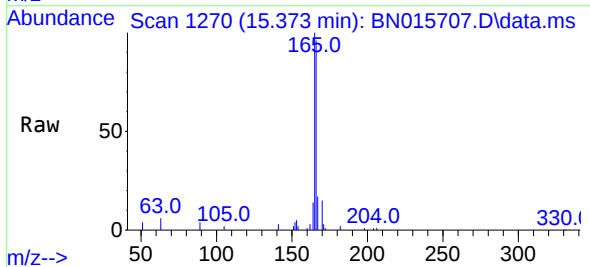
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Ion Ratio Lower Upper
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153 117.3 89.0 133.6
152 59.8 43.3 64.9

Manual Integrations
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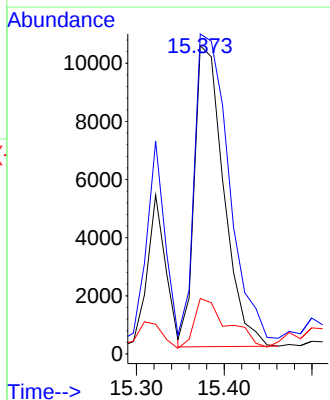
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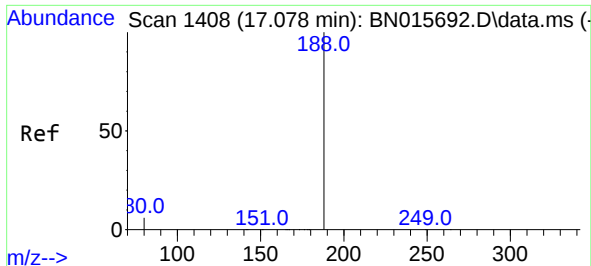


#18
Fluorene
Concen: 0.152 ng
RT: 15.373 min Scan# 1270
Delta R.T. 0.000 min
Lab File: BN015707.D
Acq: 27 Jul 2021 17:04



Tgt Ion:166 Resp: 24088
Ion Ratio Lower Upper
166 100
165 117.9 77.9 116.9#
167 19.3 10.8 16.2#





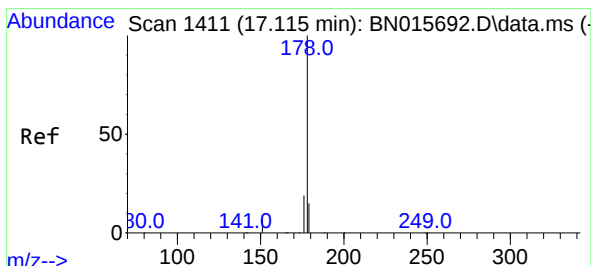
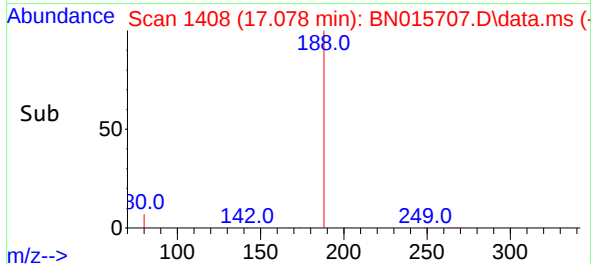
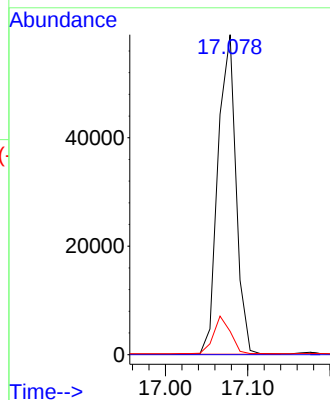
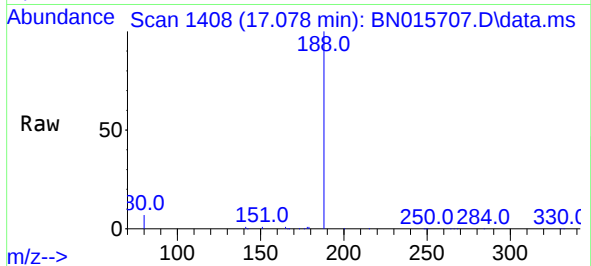
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.078 min Scan# 1408
Delta R.T. 0.000 min
Lab File: BN015707.D
Acq: 27 Jul 2021 17:04

Tgt Ion:188 Resp: 89441
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 7.3 5.3 7.9

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

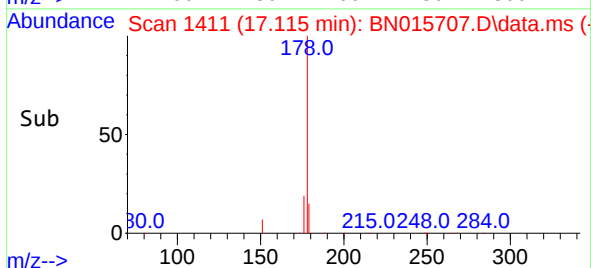
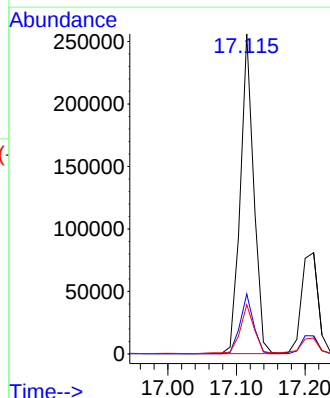
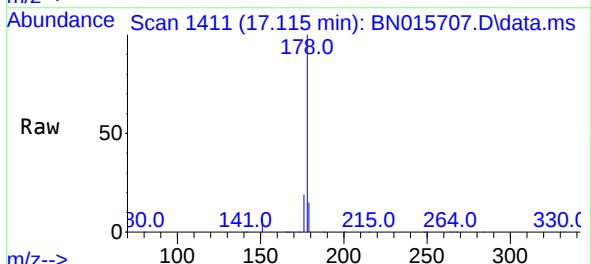
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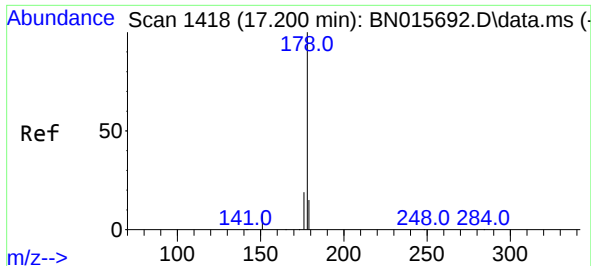
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#25
Phenanthrene
Concen: 1.317 ng
RT: 17.115 min Scan# 1411
Delta R.T. 0.000 min
Lab File: BN015707.D
Acq: 27 Jul 2021 17:04

Tgt Ion:178 Resp: 347762
Ion Ratio Lower Upper
178 100
176 18.7 15.1 22.7
179 15.8 12.4 18.6





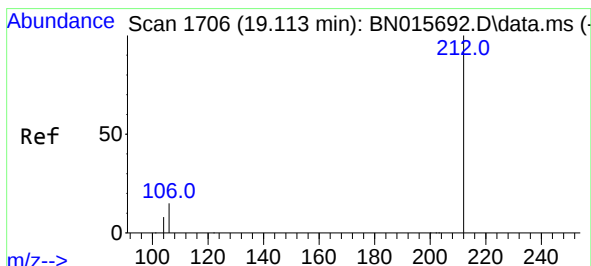
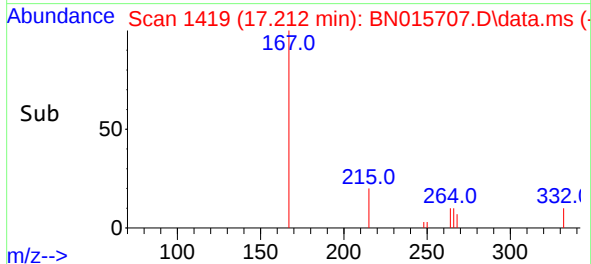
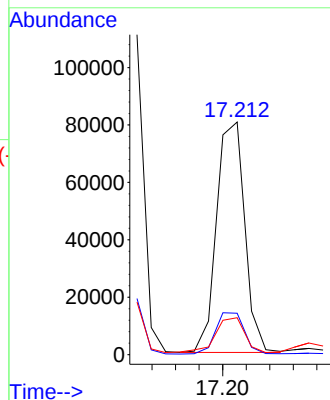
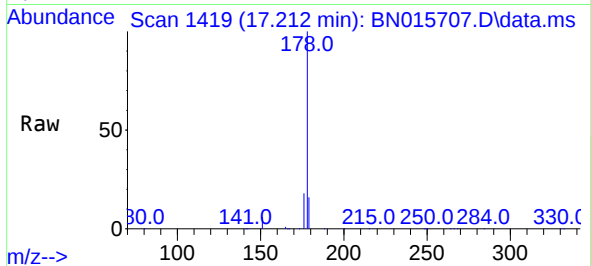
#26
 Anthracene
 Concen: 0.576 ng
 RT: 17.212 min Scan# 1419
 Delta R.T. 0.012 min
 Lab File: BN015707.D
 Acq: 27 Jul 2021 17:04

Tgt Ion:	178	Resp:	133675
Ion	Ratio	Lower	Upper
178	100		
176	18.3	14.6	21.8
179	15.6	12.2	18.2

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

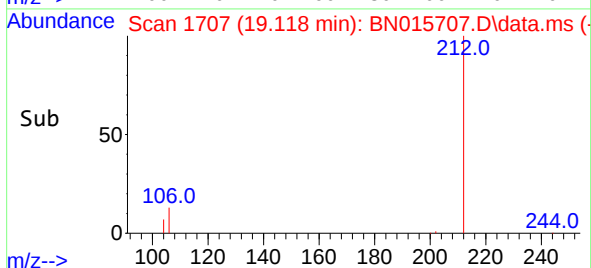
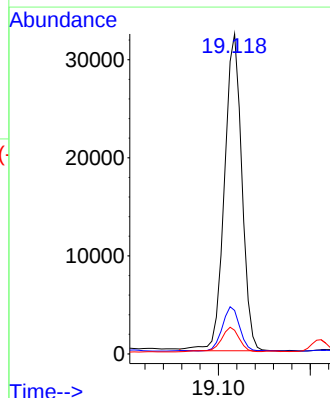
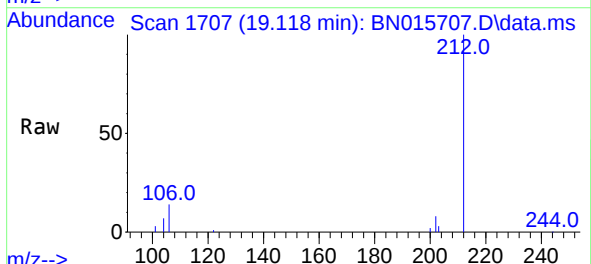
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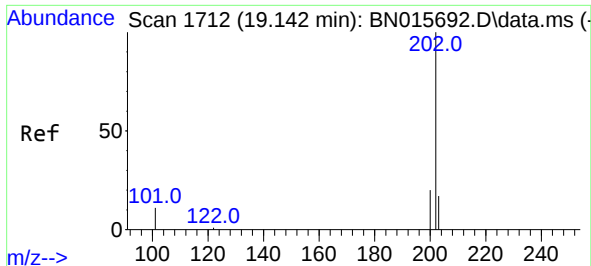
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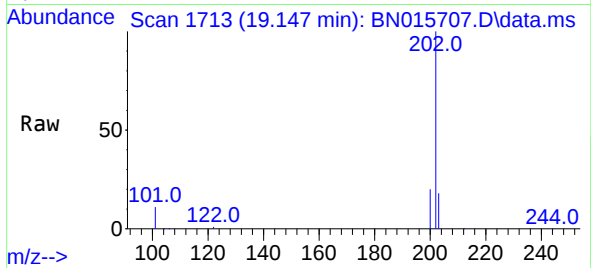
#27
 Fluoranthene-d10
 Concen: 0.174 ng
 RT: 19.118 min Scan# 1707
 Delta R.T. 0.005 min
 Lab File: BN015707.D
 Acq: 27 Jul 2021 17:04

Tgt Ion:	212	Resp:	42553
Ion	Ratio	Lower	Upper
212	100		
106	14.1	11.5	17.3
104	8.2	6.3	9.5

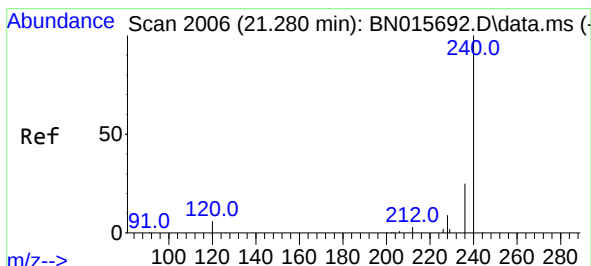
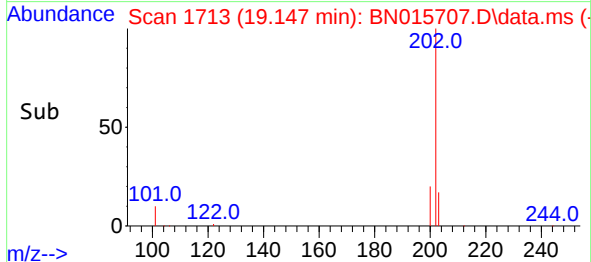
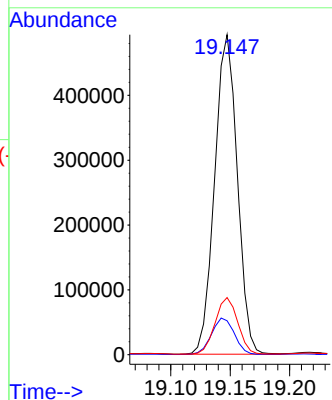




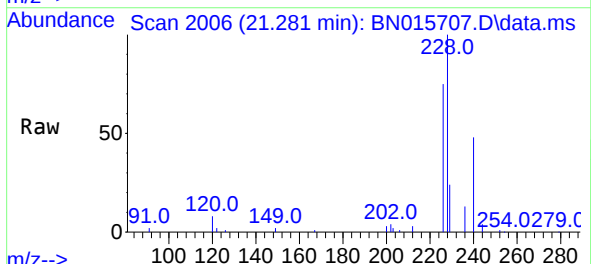
#28
Fluoranthene
Concen: 2.221 ng
RT: 19.147 min Scan# 1713
Delta R.T. 0.005 min
Lab File: BN015707.D
Acq: 27 Jul 2021 17:04



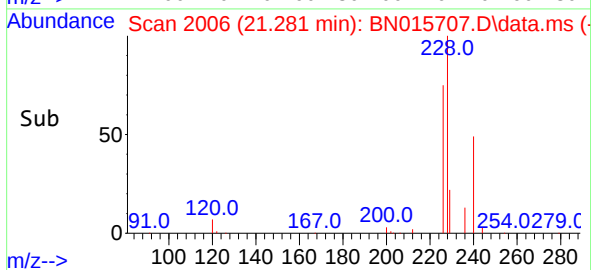
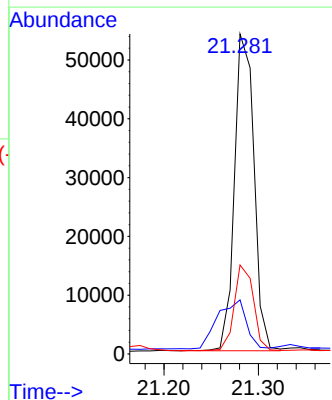
Tgt Ion:202 Resp: 653170
Ion Ratio Lower Upper
202 100
101 11.5 9.4 14.2
203 17.7 13.8 20.8



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.281 min Scan# 2006
Delta R.T. 0.000 min
Lab File: BN015707.D
Acq: 27 Jul 2021 17:04



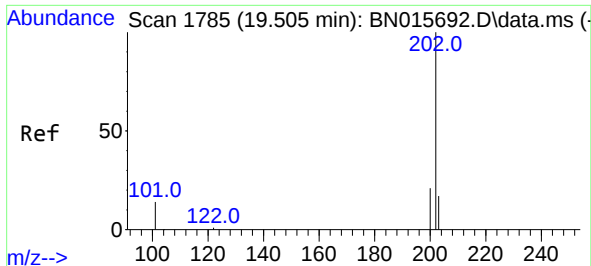
Tgt Ion:240 Resp: 77363
Ion Ratio Lower Upper
240 100
120 16.9 4.9 7.3#
236 27.8 20.4 30.6



Instrument :
BNA_N
ClientSampleId :
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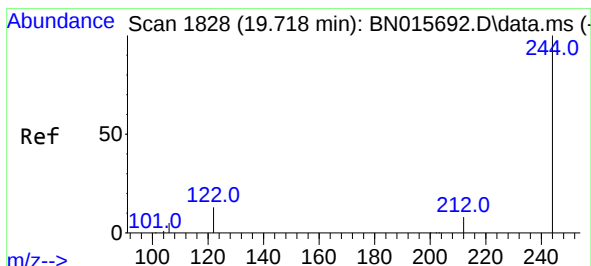
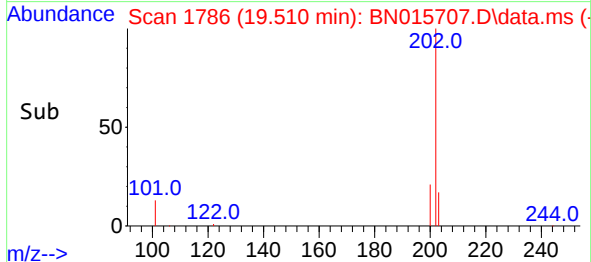
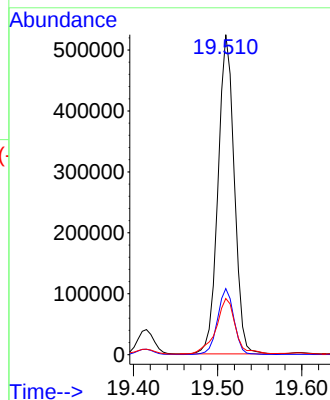
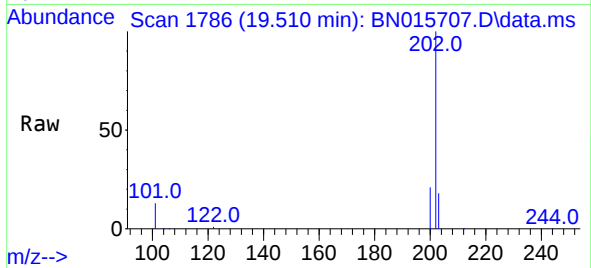
#30
Pyrene
Concen: 2.597 ng
RT: 19.510 min Scan# 1786
Delta R.T. 0.005 min
Lab File: BN015707.D
Acq: 27 Jul 2021 17:04

Tgt Ion:202 Resp: 700455
Ion Ratio Lower Upper
202 100
200 20.7 16.4 24.6
203 20.8 13.9 20.9

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

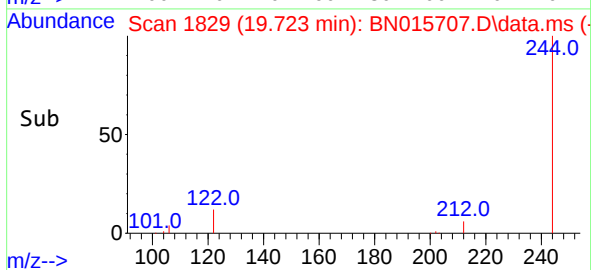
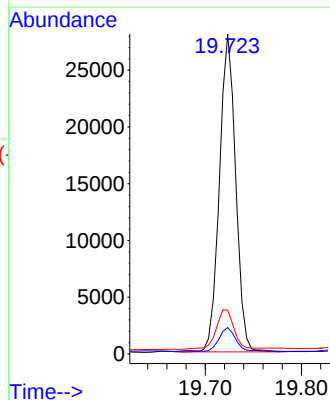
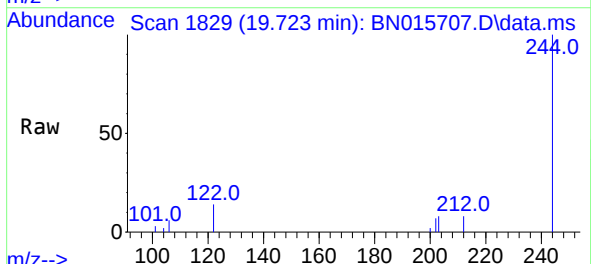
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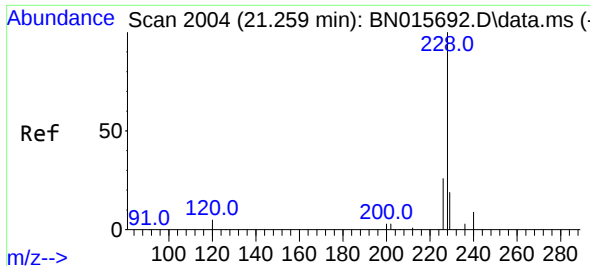
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#31
Terphenyl-d14
Concen: 0.182 ng
RT: 19.723 min Scan# 1829
Delta R.T. 0.000 min
Lab File: BN015707.D
Acq: 27 Jul 2021 17:04

Tgt Ion:244 Resp: 32896
Ion Ratio Lower Upper
244 100
212 8.2 6.2 9.2
122 13.7 10.9 16.3





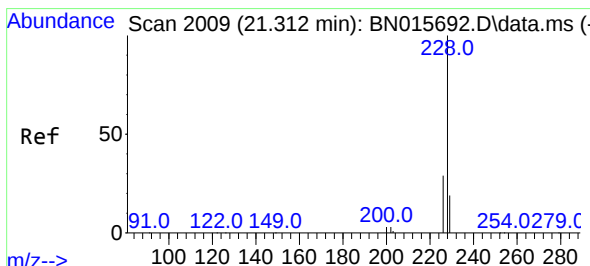
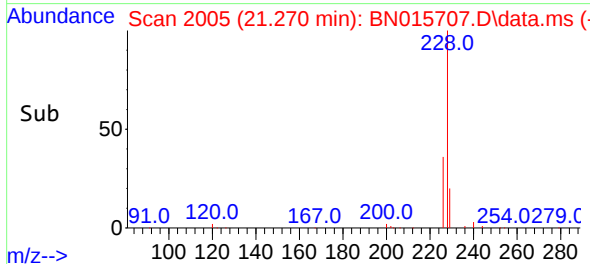
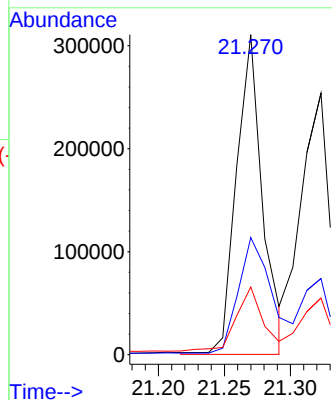
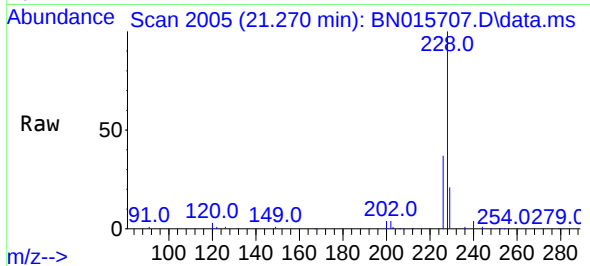
#32
Benzo(a)anthracene
Concen: 1.635 ng m
RT: 21.270 min Scan# 2005
Delta R.T. 0.011 min
Lab File: BN015707.D
Acq: 27 Jul 2021 17:04

Tgt Ion:228 Resp: 428176
Ion Ratio Lower Upper
228 100
226 36.6 21.2 31.8#
229 21.2 15.5 23.3

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

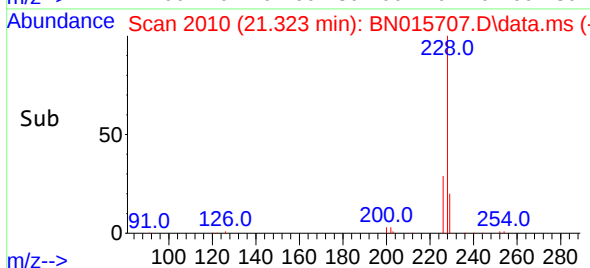
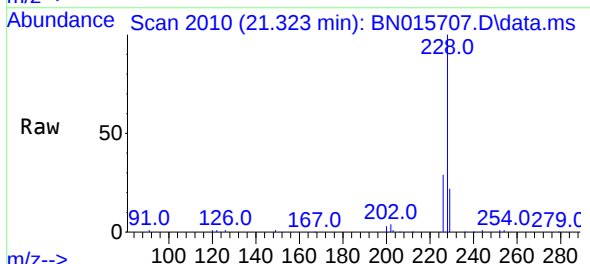
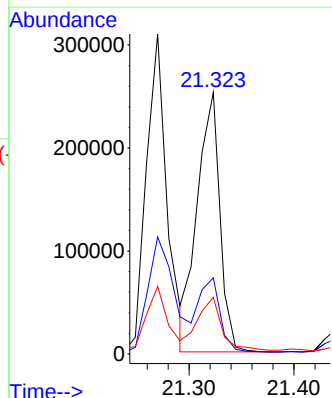
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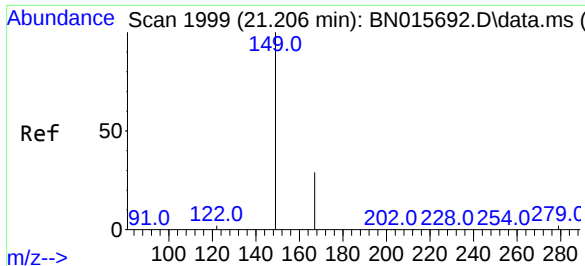
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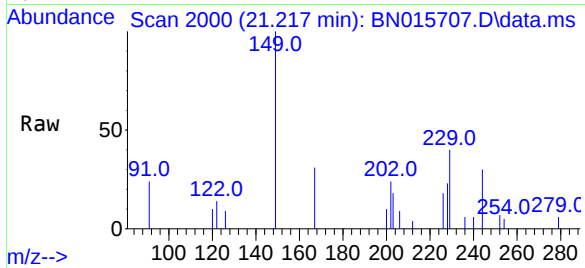
#33
Chrysene
Concen: 1.446 ng
RT: 21.323 min Scan# 2010
Delta R.T. 0.011 min
Lab File: BN015707.D
Acq: 27 Jul 2021 17:04

Tgt Ion:228 Resp: 377617
Ion Ratio Lower Upper
228 100
226 29.1 23.4 35.0
229 21.6 15.5 23.3

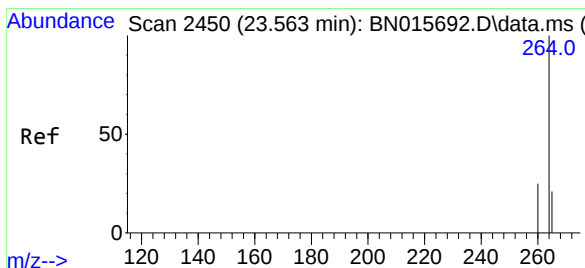
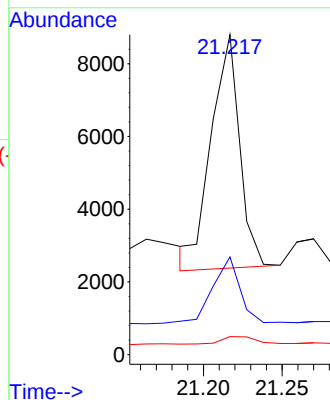
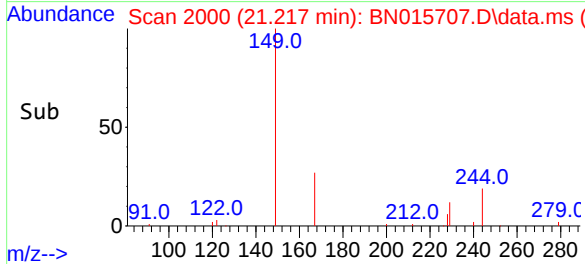




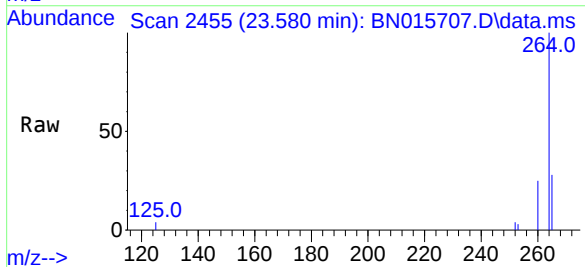
#34
Bis(2-ethylhexyl)phthalate
Concen: 0.231 ng
RT: 21.217 min Scan# 2000
Delta R.T. 0.011 min
Lab File: BN015707.D
Acq: 27 Jul 2021 17:04



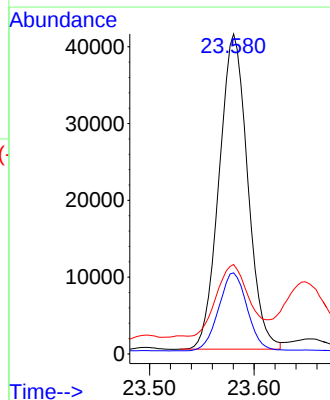
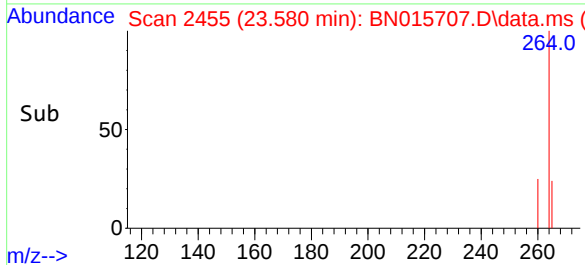
Tgt Ion:149 Resp: 8055
Ion Ratio Lower Upper
149 100
167 30.4 22.6 34.0
279 5.0 2.8 4.2#



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.580 min Scan# 2455
Delta R.T. 0.010 min
Lab File: BN015707.D
Acq: 27 Jul 2021 17:04



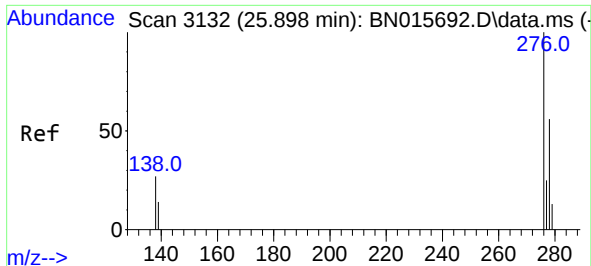
Tgt Ion:264 Resp: 77772
Ion Ratio Lower Upper
264 100
260 25.4 19.8 29.8
265 27.9 19.0 28.6



Instrument :
BNA_N
ClientSampleId :
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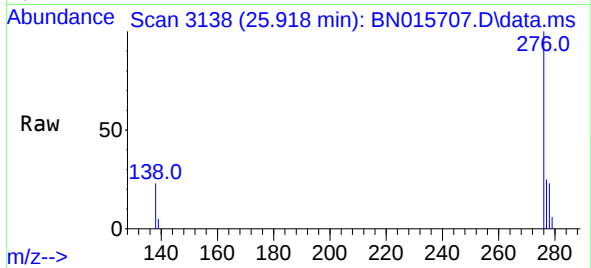
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#36
Indeno(1,2,3-cd)pyrene
Concen: 0.797 ng
RT: 25.918 min Scan# 3138
Delta R.T. 0.010 min
Lab File: BN015707.D
Acq: 27 Jul 2021 17:04

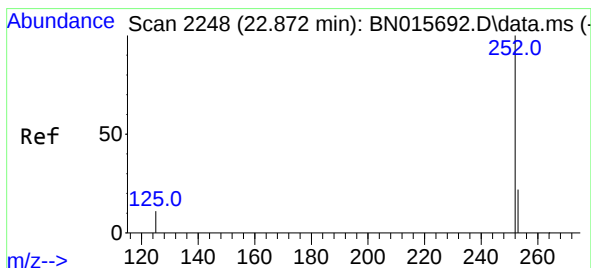
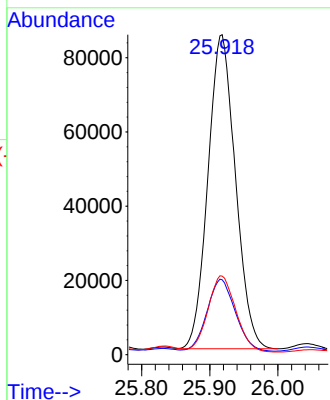
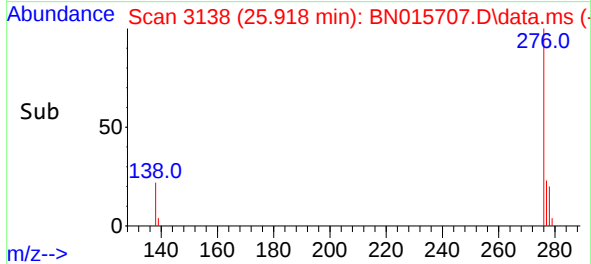
Instrument :
BNA_N
ClientSampleId :
AREA-2-(0-7)DL



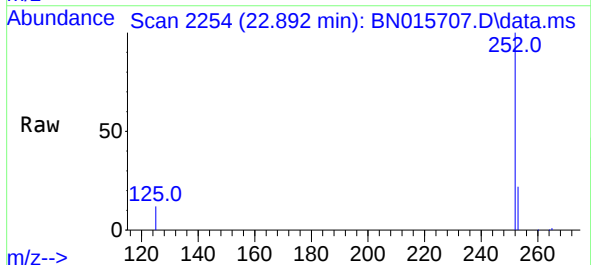
Tgt Ion:276 Resp: 237120
Ion Ratio Lower Upper
276 100
138 23.6 23.0 34.4
277 24.8 20.0 30.0

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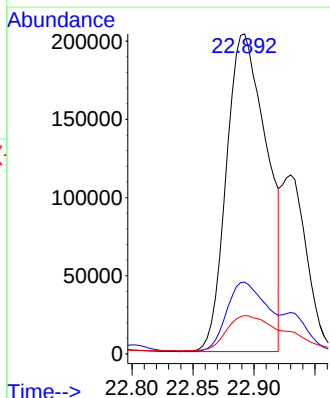
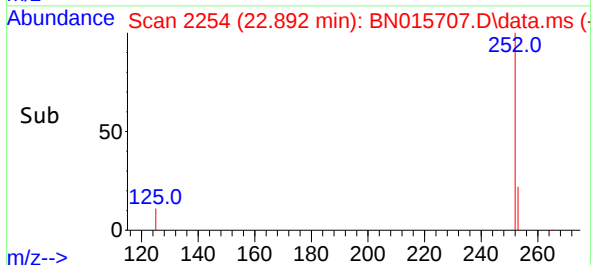
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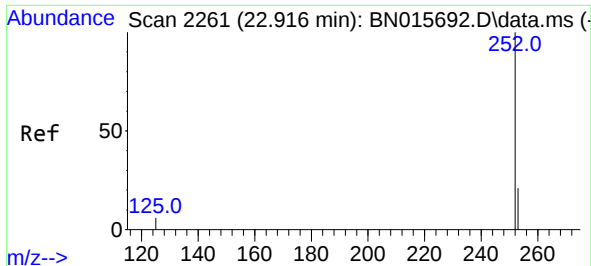


#37
Benzo(b)fluoranthene
Concen: 1.724 ng
RT: 22.892 min Scan# 2254
Delta R.T. 0.014 min
Lab File: BN015707.D
Acq: 27 Jul 2021 17:04

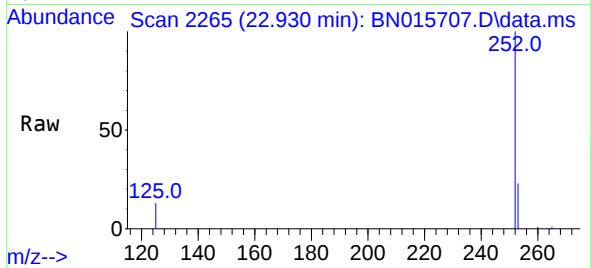


Tgt Ion:252 Resp: 466651
Ion Ratio Lower Upper
252 100
253 22.5 17.5 26.3
125 12.0 8.9 13.3

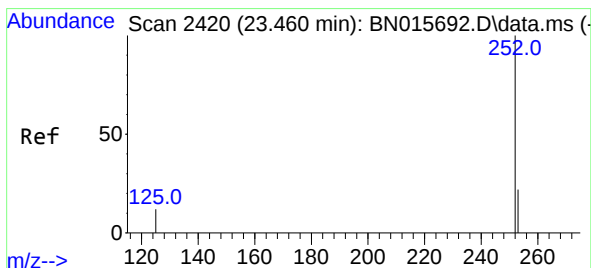
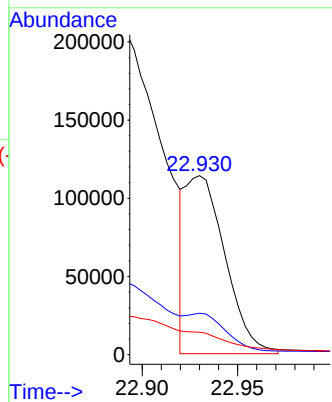
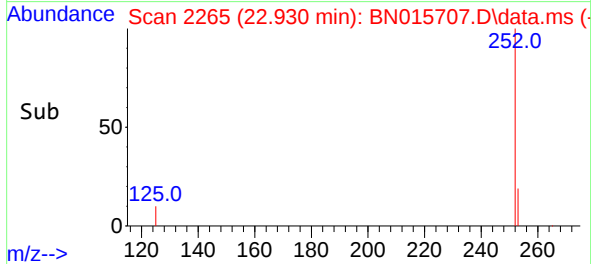




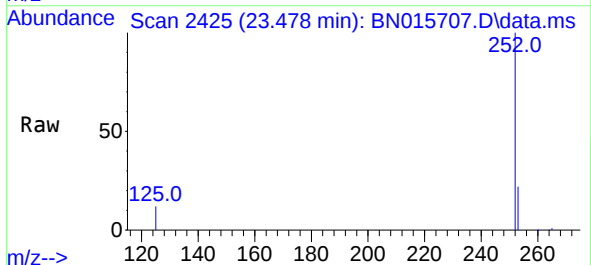
#38
Benzo(k)fluoranthene
Concen: 0.593 ng m
RT: 22.930 min Scan# 2265
Delta R.T. 0.007 min
Lab File: BN015707.D
Acq: 27 Jul 2021 17:04



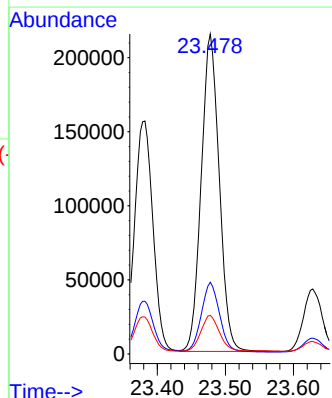
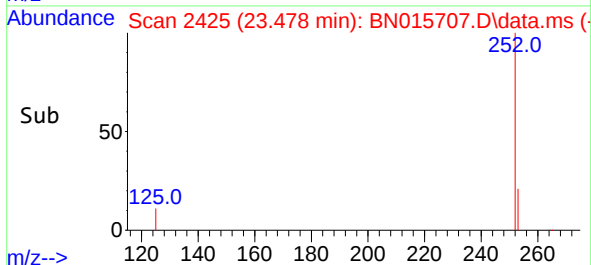
Tgt Ion:252 Resp: 164295
Ion Ratio Lower Upper
252 100
253 23.2 17.6 26.4
125 12.5 9.4 14.2



#39
Benzo(a)pyrene
Concen: 1.614 ng
RT: 23.478 min Scan# 2425
Delta R.T. 0.007 min
Lab File: BN015707.D
Acq: 27 Jul 2021 17:04



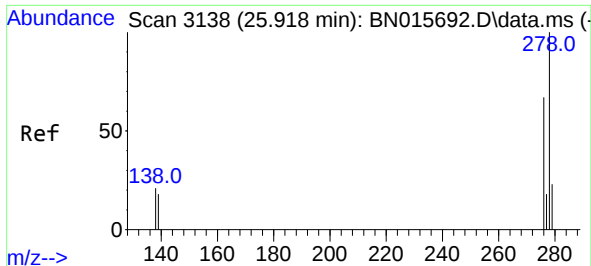
Tgt Ion:252 Resp: 392740
Ion Ratio Lower Upper
252 100
253 22.4 17.7 26.5
125 12.0 10.2 15.2



Instrument :
BNA_N
ClientSampleId :
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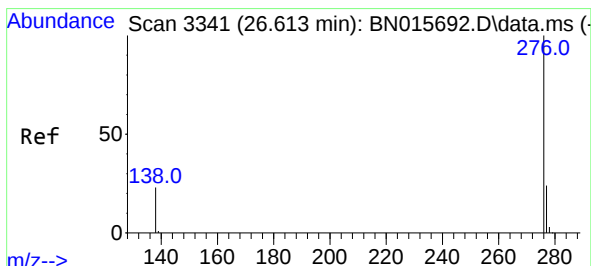
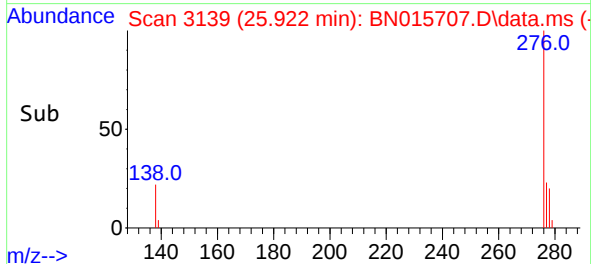
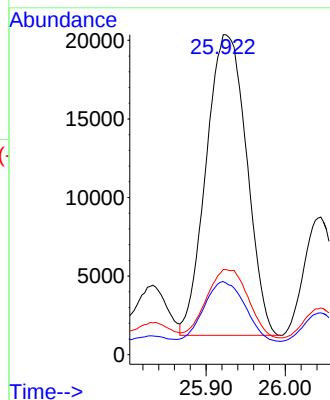
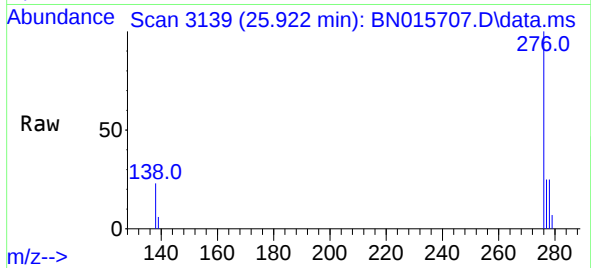
#40
Dibenzo(a,h)anthracene
Concen: 0.279 ng
RT: 25.922 min Scan# 3139
Delta R.T. 0.000 min
Lab File: BN015707.D
Acq: 27 Jul 2021 17:04

Tgt Ion:278 Resp: 67851
Ion Ratio Lower Upper
278 100
139 22.9 15.1 22.7#
279 26.6 19.0 28.4

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

Manual Integrations
APPROVED

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



#41
Benzo(g,h,i)perylene
Concen: 0.985 ng
RT: 26.637 min Scan# 3348
Delta R.T. 0.017 min
Lab File: BN015707.D
Acq: 27 Jul 2021 17:04

Tgt Ion:276 Resp: 244516
Ion Ratio Lower Upper
276 100
277 24.2 19.4 29.0
138 23.7 19.0 28.6

