

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072721\
 Data File : BN015702.D
 Acq On : 27 Jul 2021 13:48
 Operator : CG/JU
 Sample : M3186-05
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 AREA-3-(0-9)

Manual Integrations
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Quant Time: Jul 27 14:28:02 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	14847	0.400	ng	0.00
7) Naphthalene-d8	10.470	136	69409	0.400	ng	0.00
13) Acenaphthene-d10	14.319	164	39198	0.400	ng	0.00
19) Phenanthrene-d10	17.078	188	80048	0.400	ng	0.00
29) Chrysene-d12	21.281	240	72797	0.400	ng	# 0.00
35) Perylene-d12	23.577	264	71866	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.300	112	11093	0.282	ng	0.00
5) Phenol-d6	6.877	99	13123	0.278	ng	0.00
8) Nitrobenzene-d5	8.835	82	13611	0.261	ng	0.00
11) 2-Methylnaphthalene-d10	12.065	152	33253	0.313	ng	0.00
14) 2,4,6-Tribromophenol	15.817	330	4159	0.245	ng	0.00
15) 2-Fluorobiphenyl	12.949	172	45391	0.293	ng	0.00
27) Fluoranthene-d10	19.113	212	70599	0.322	ng	0.00
31) Terphenyl-d14	19.723	244	53186	0.313	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.521	128	34500	0.187	ng	99
12) 2-Methylnaphthalene	12.141	142	17598	0.145	ng	98
16) Acenaphthylene	14.040	152	137664	0.812	ng	100
17) Acenaphthene	14.383	154	12480	0.110	ng	95
18) Fluorene	15.373	166	22763	0.165	ng	# 79
25) Phenanthrene	17.115	178	314920	1.332	ng	99
26) Anthracene	17.200	178	107242	0.517	ng	98
28) Fluoranthene	19.147	202	567222	2.155	ng	99
30) Pyrene	19.510	202	614073	2.420	ng	# 96
32) Benzo(a)anthracene	21.270	228	413822m	1.679	ng	
33) Chrysene	21.323	228	378488	1.540	ng	97
34) Bis(2-ethylhexyl)phtha...	21.217	149	14907	0.273	ng	99
36) Indeno(1,2,3-cd)pyrene	25.918	276	278706	1.014	ng	95
37) Benzo(b)fluoranthene	22.892	252	487900	1.951	ng	98
38) Benzo(k)fluoranthene	22.930	252	181427m	0.709	ng	
39) Benzo(a)pyrene	23.478	252	427923	1.903	ng	99
40) Dibenzo(a,h)anthracene	25.925	278	77771	0.346	ng	93
41) Benzo(g,h,i)perylene	26.637	276	312134	1.360	ng	100

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

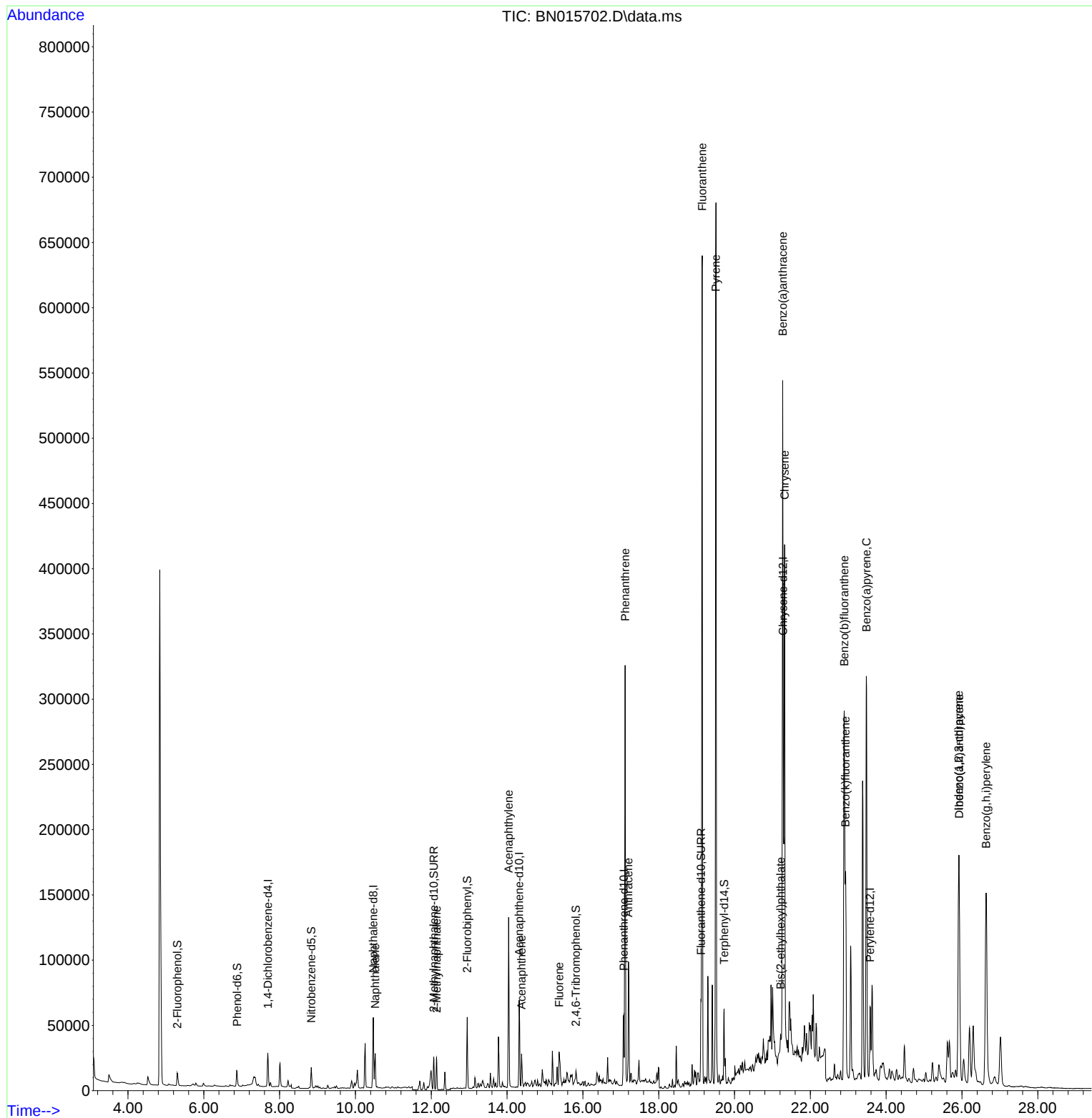
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072721\
Data File : BN015702.D
Acq On : 27 Jul 2021 13:48
Operator : CG/JU
Sample : M3186-05
Misc :
ALS Vial : 4 Sample Multiplier: 1

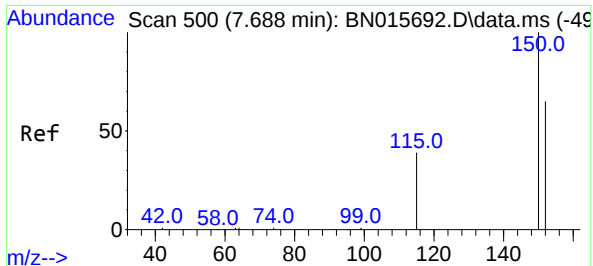
Instrument :
BNA_N
ClientSampleId :
AREA-3-(0-9)

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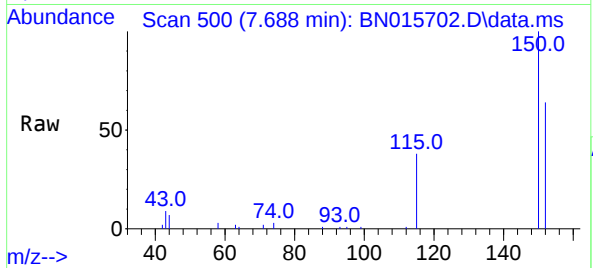
Quant Time: Jul 27 14:28:02 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN072521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 27 13:51:38 2021
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.688 min Scan# 500
Delta R.T. -0.001 min
Lab File: BN015702.D
Acq: 27 Jul 2021 13:48

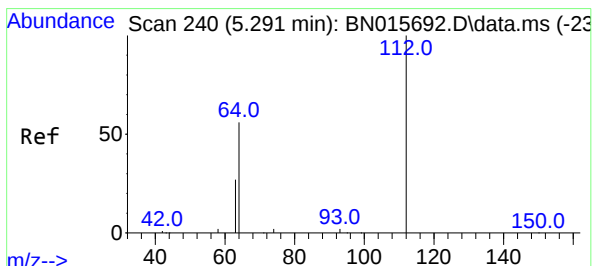
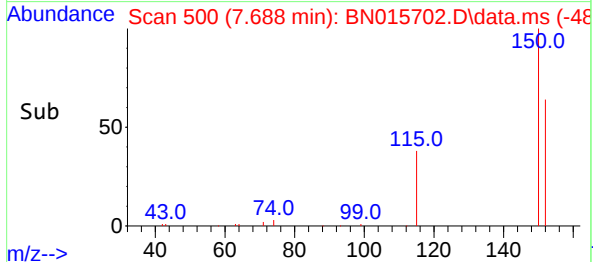
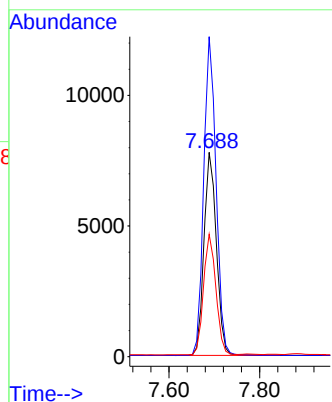
Instrument :
BNA_N
ClientSampleId :
AREA-3-(0-9)



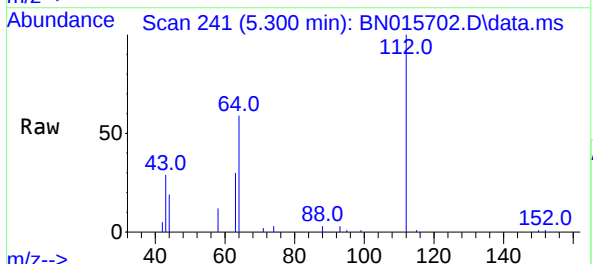
Tgt Ion:152 Resp: 14847
Ion Ratio Lower Upper
152 100
150 156.6 125.2 187.8
115 59.9 48.6 73.0

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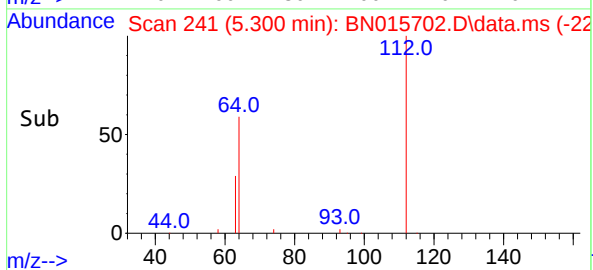
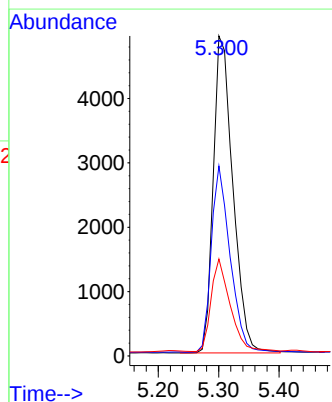
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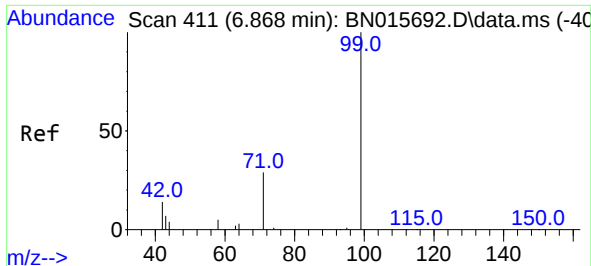


#4
2-Fluorophenol
Concen: 0.282 ng
RT: 5.300 min Scan# 241
Delta R.T. 0.009 min
Lab File: BN015702.D
Acq: 27 Jul 2021 13:48



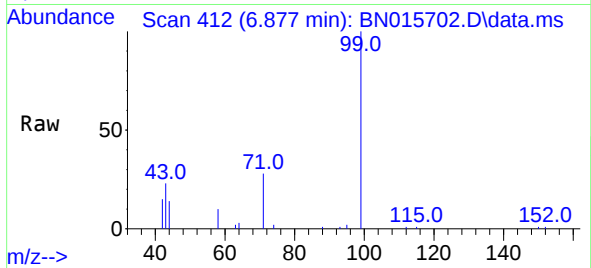
Tgt Ion:112 Resp: 11093
Ion Ratio Lower Upper
112 100
64 56.4 44.8 67.2
63 28.4 22.2 33.4





#5
Phenol-d6
Concen: 0.278 ng
RT: 6.877 min Scan# 412
Delta R.T. 0.009 min
Lab File: BN015702.D
Acq: 27 Jul 2021 13:48

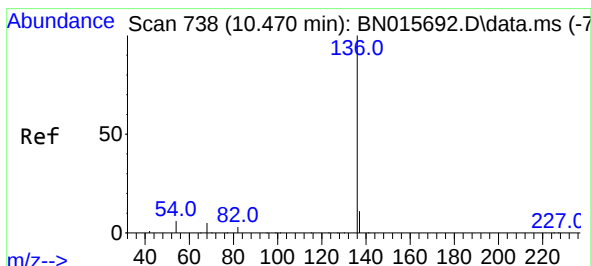
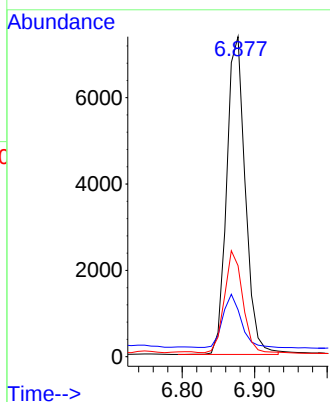
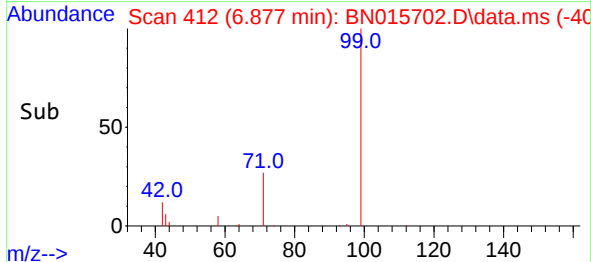
Instrument :
BNA_N
ClientSampled :
AREA-3-(0-9)



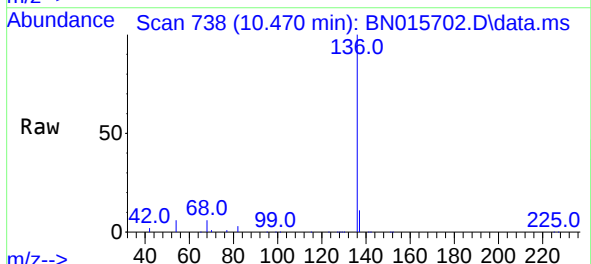
Tgt Ion: 99 Resp: 13123
Ion Ratio Lower Upper
99 100
42 16.3 13.4 20.0
71 31.3 24.5 36.7

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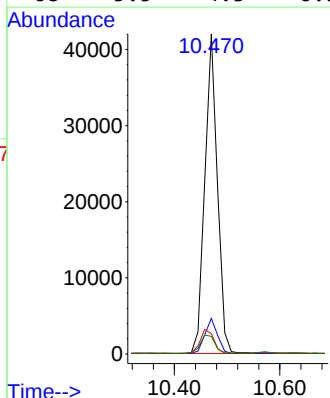
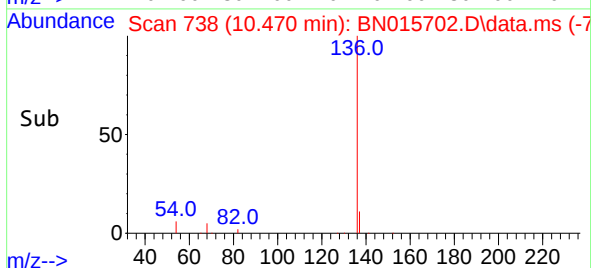
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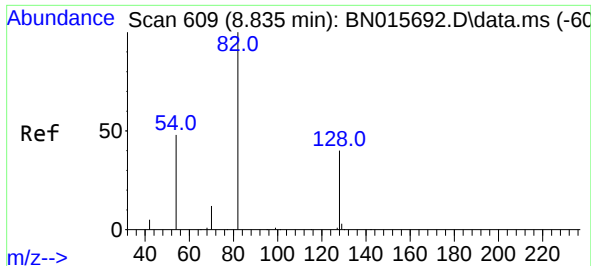


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.470 min Scan# 738
Delta R.T. -0.000 min
Lab File: BN015702.D
Acq: 27 Jul 2021 13:48

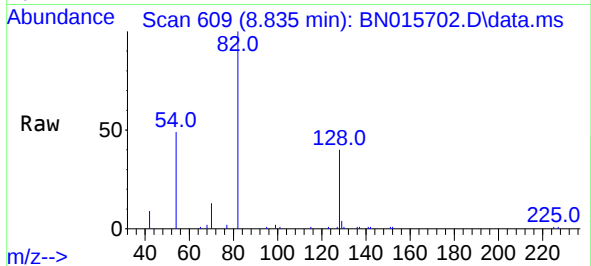


Tgt Ion: 136 Resp: 69409
Ion Ratio Lower Upper
136 100
137 11.1 8.9 13.3
54 6.3 5.0 7.4
68 5.5 4.3 6.5

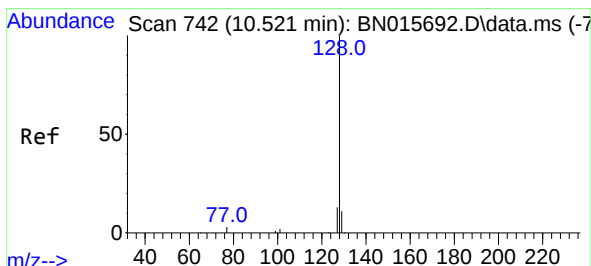
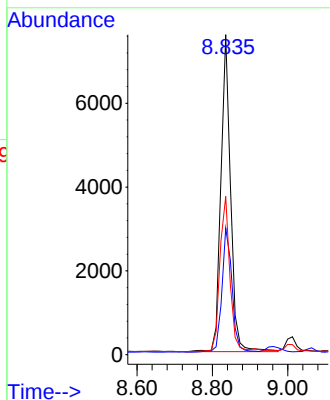
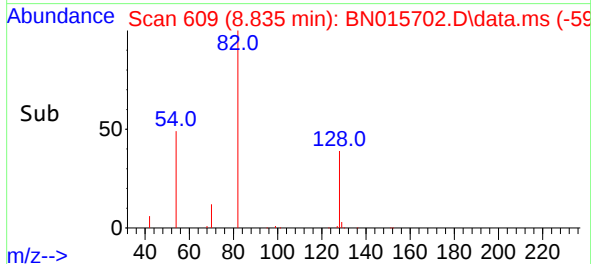




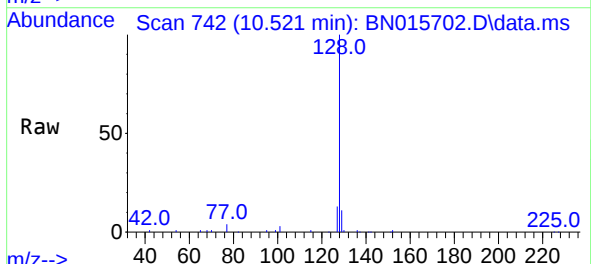
#8
Nitrobenzene-d5
Concen: 0.261 ng
RT: 8.835 min Scan# 609
Delta R.T. -0.000 min
Lab File: BN015702.D
Acq: 27 Jul 2021 13:48



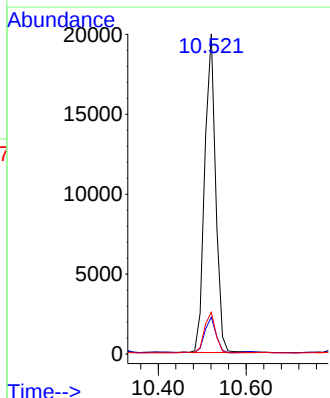
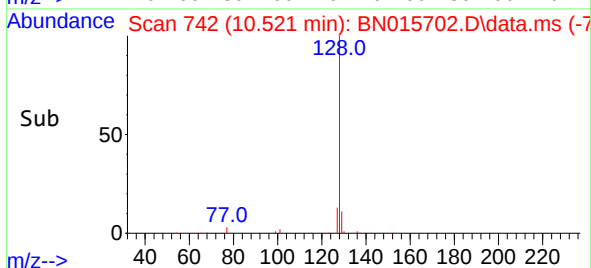
Tgt Ion: 82 Resp: 13611
Ion Ratio Lower Upper
82 100
128 39.6 32.0 48.0
54 49.4 38.9 58.3



#9
Naphthalene
Concen: 0.187 ng
RT: 10.521 min Scan# 742
Delta R.T. -0.000 min
Lab File: BN015702.D
Acq: 27 Jul 2021 13:48



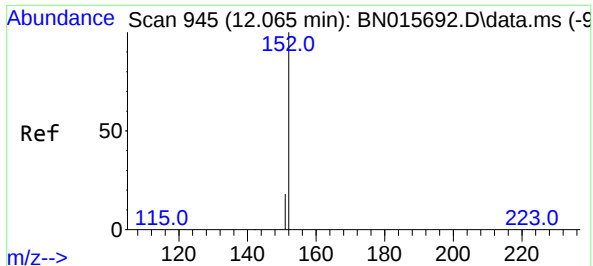
Tgt Ion: 128 Resp: 34500
Ion Ratio Lower Upper
128 100
129 11.5 8.9 13.3
127 13.1 10.4 15.6



Instrument :
BNA_N
ClientSampleId :
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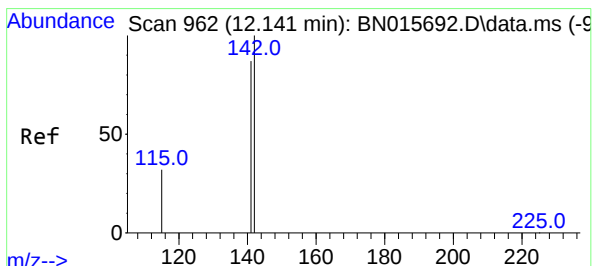
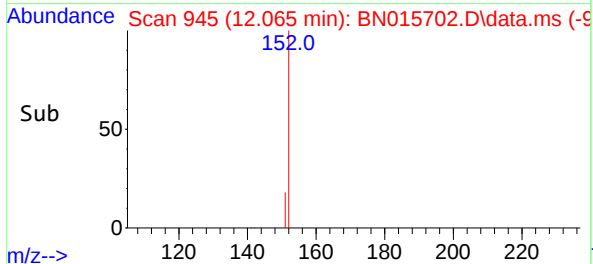
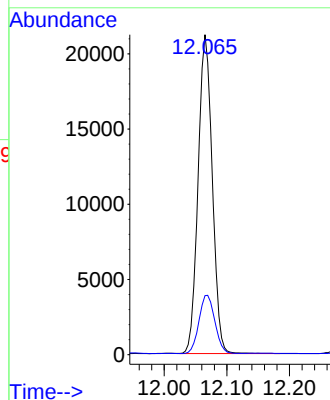
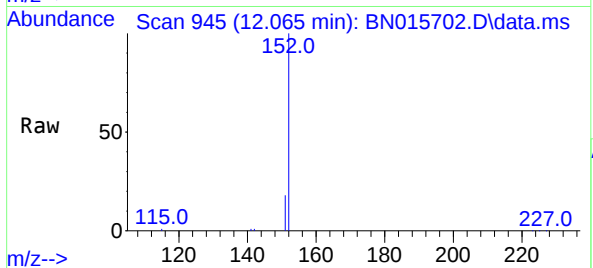
#11
2-Methylnaphthalene-d10
Concen: 0.313 ng
RT: 12.065 min Scan# 945
Delta R.T. -0.000 min
Lab File: BN015702.D
Acq: 27 Jul 2021 13:48

Tgt Ion:152 Resp: 33253
Ion Ratio Lower Upper
152 100
151 20.5 16.3 24.5

Instrument :
BNA_N
ClientSampleId :
AREA-3-(0-9)

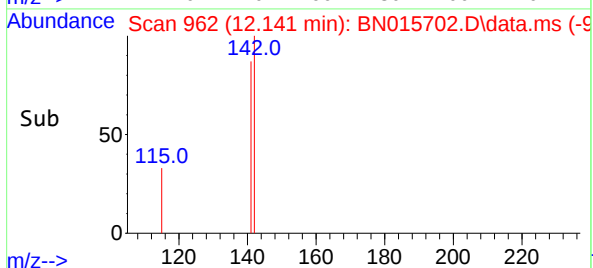
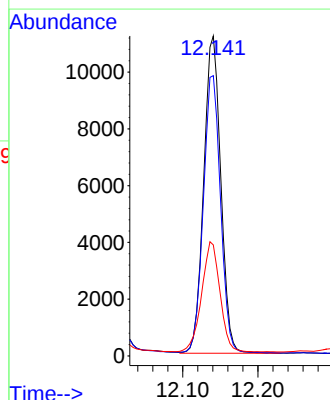
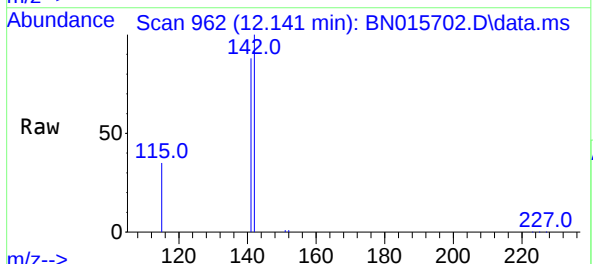
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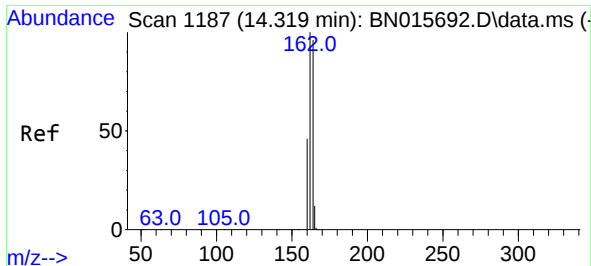
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#12
2-Methylnaphthalene
Concen: 0.145 ng
RT: 12.141 min Scan# 962
Delta R.T. -0.000 min
Lab File: BN015702.D
Acq: 27 Jul 2021 13:48

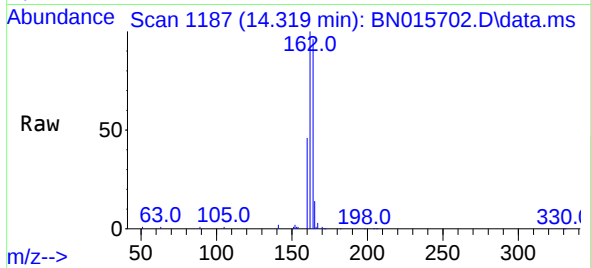
Tgt Ion:142 Resp: 17598
Ion Ratio Lower Upper
142 100
141 87.6 69.4 104.2
115 34.7 25.9 38.9





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.319 min Scan# 1187
Delta R.T. -0.000 min
Lab File: BN015702.D
Acq: 27 Jul 2021 13:48

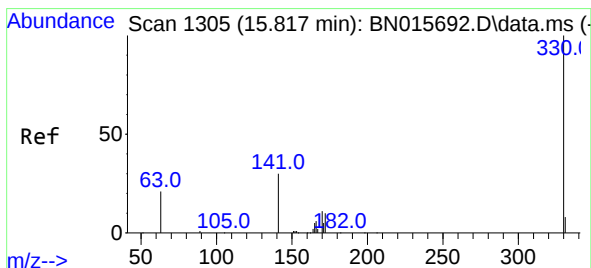
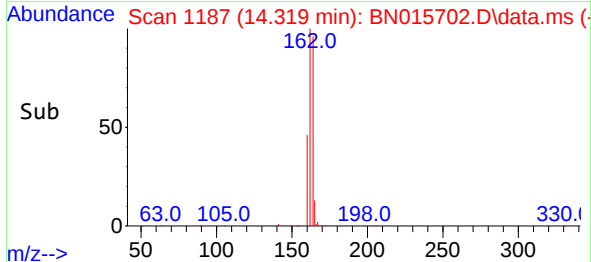
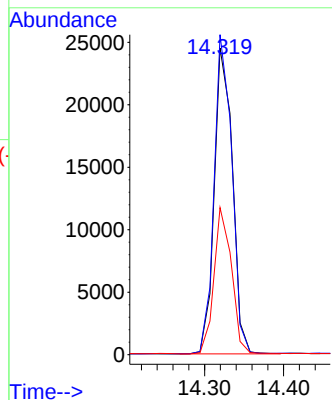
Instrument :
BNA_N
ClientSampleId :
AREA-3-(0-9)



Tgt Ion:164 Resp: 39198
Ion Ratio Lower Upper
164 100
162 104.3 83.6 125.4
160 47.9 38.6 58.0

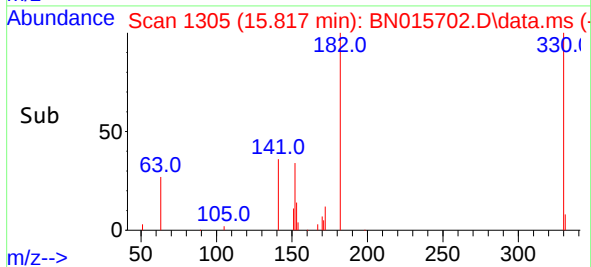
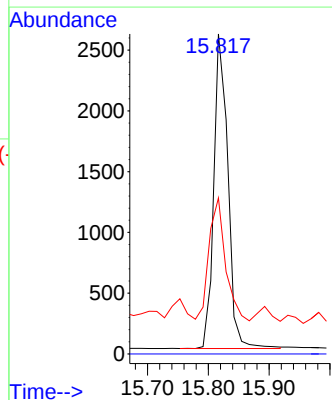
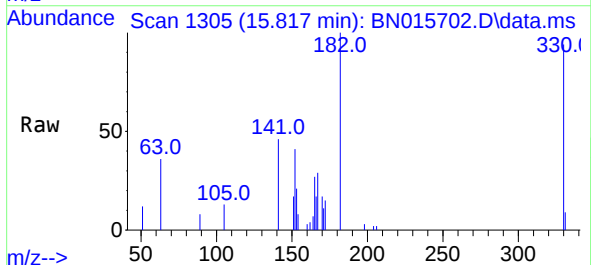
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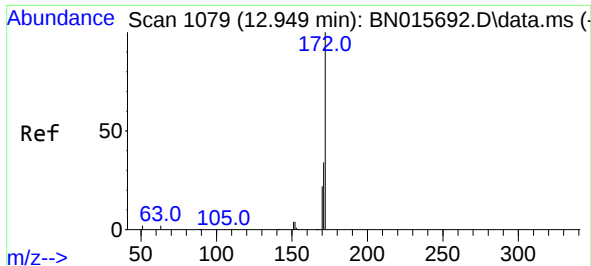
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#14
2,4,6-Tribromophenol
Concen: 0.245 ng
RT: 15.817 min Scan# 1305
Delta R.T. -0.000 min
Lab File: BN015702.D
Acq: 27 Jul 2021 13:48

Tgt Ion:330 Resp: 4159
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 45.8 28.5 42.7#





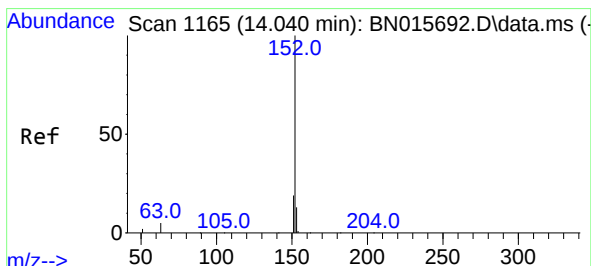
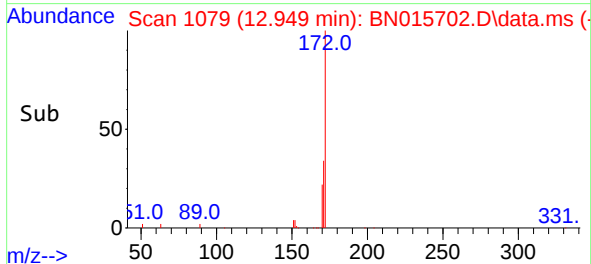
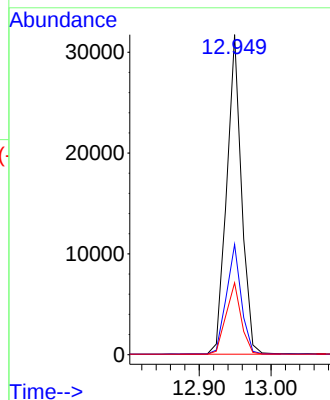
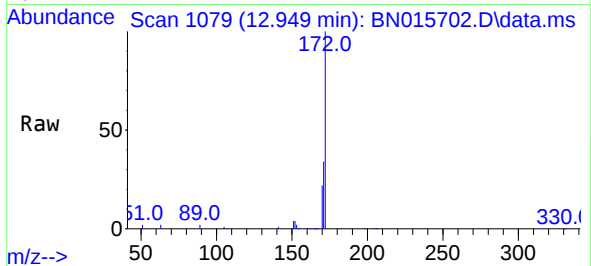
#15
2-Fluorobiphenyl
Concen: 0.293 ng
RT: 12.949 min Scan# 1079
Delta R.T. -0.000 min
Lab File: BN015702.D
Acq: 27 Jul 2021 13:48

Tgt Ion:	172	Resp:	45391
Ion	Ratio	Lower	Upper
172	100		
171	34.5	27.4	41.0
170	22.4	17.9	26.9

Instrument :
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ClientSampleId :
AREA-3-(0-9)

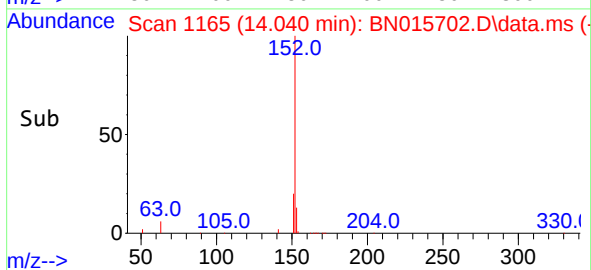
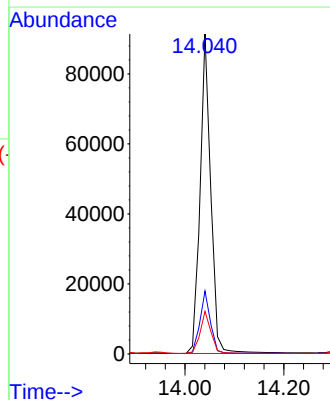
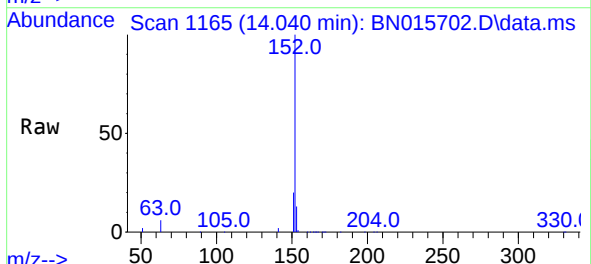
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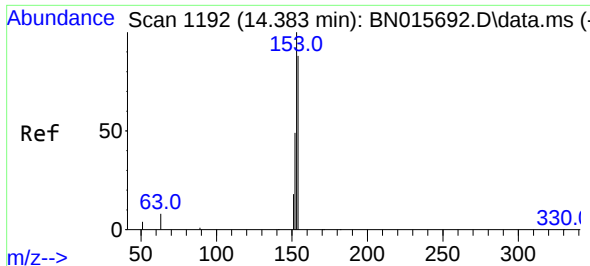
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#16
Acenaphthylene
Concen: 0.812 ng
RT: 14.040 min Scan# 1165
Delta R.T. -0.000 min
Lab File: BN015702.D
Acq: 27 Jul 2021 13:48

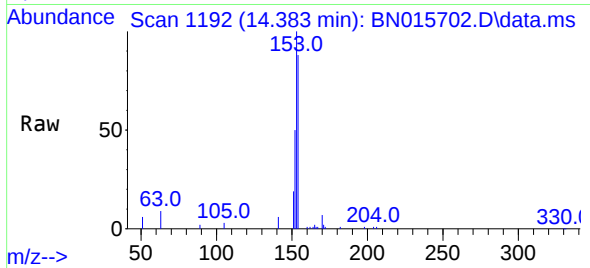
Tgt Ion:	152	Resp:	137664
Ion	Ratio	Lower	Upper
152	100		
151	19.5	15.4	23.2
153	13.2	10.4	15.6





#17
Acenaphthene
Concen: 0.110 ng
RT: 14.383 min Scan# 1192
Delta R.T. -0.000 min
Lab File: BN015702.D
Acq: 27 Jul 2021 13:48

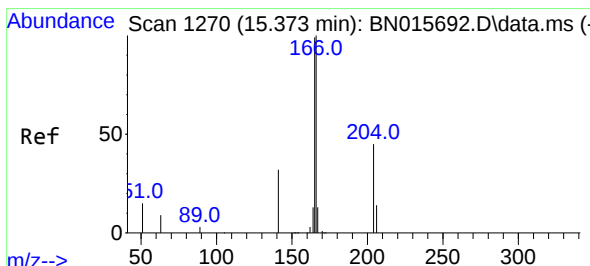
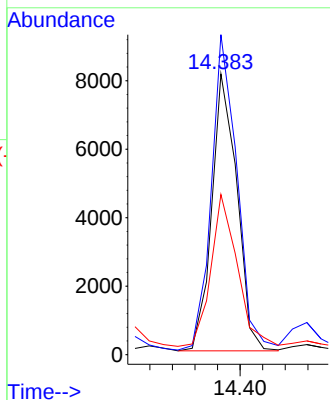
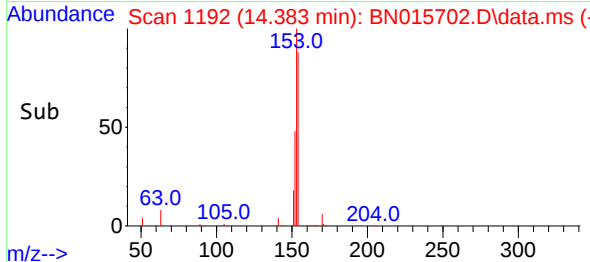
Instrument :
BNA_N
ClientSampleId :
AREA-3-(0-9)



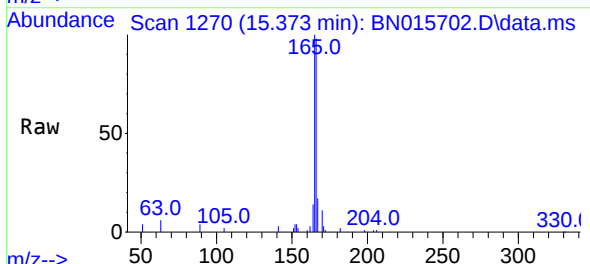
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Ion Ratio Lower Upper
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152 57.9 43.3 64.9

Manual Integrations
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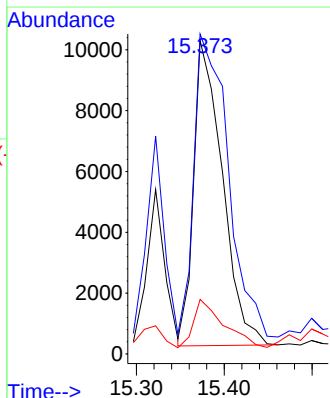
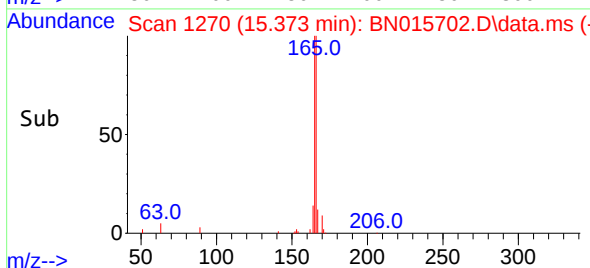
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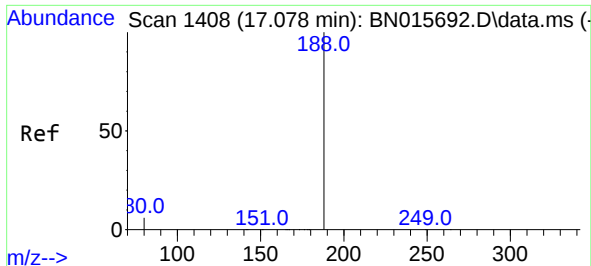


#18
Fluorene
Concen: 0.165 ng
RT: 15.373 min Scan# 1270
Delta R.T. -0.000 min
Lab File: BN015702.D
Acq: 27 Jul 2021 13:48



Tgt Ion:166 Resp: 22763
Ion Ratio Lower Upper
166 100
165 119.3 77.9 116.9#
167 16.9 10.8 16.2#





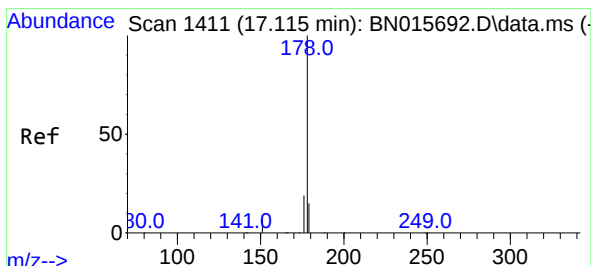
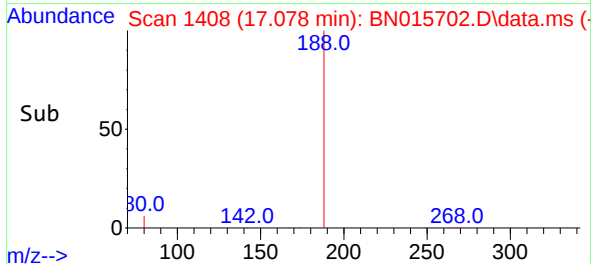
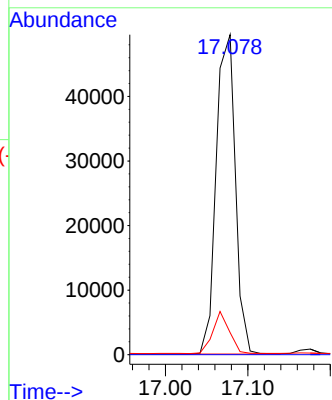
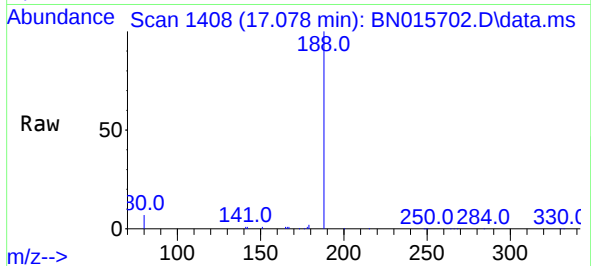
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.078 min Scan# 1408
Delta R.T. -0.000 min
Lab File: BN015702.D
Acq: 27 Jul 2021 13:48

Tgt Ion:188 Resp: 80048
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 6.9 5.3 7.9

Instrument :
BNA_N
ClientSampleId :
AREA-3-(0-9)

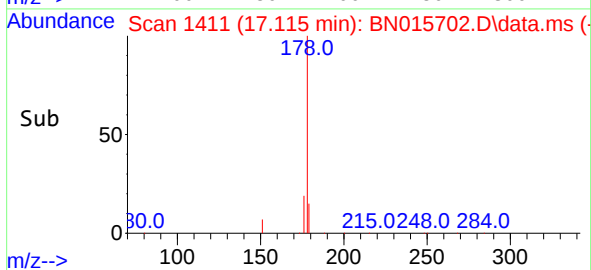
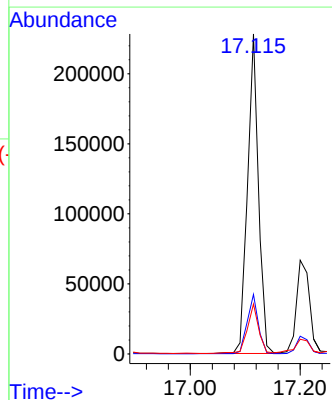
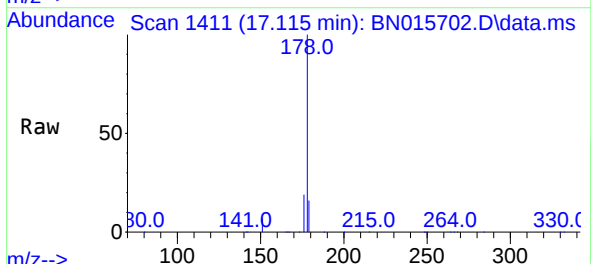
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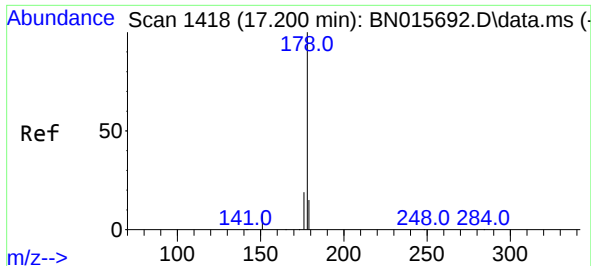
mohammad
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#25
Phenanthrene
Concen: 1.332 ng
RT: 17.115 min Scan# 1411
Delta R.T. -0.000 min
Lab File: BN015702.D
Acq: 27 Jul 2021 13:48

Tgt Ion:178 Resp: 314920
Ion Ratio Lower Upper
178 100
176 18.7 15.1 22.7
179 15.9 12.4 18.6





#26
 Anthracene
 Concen: 0.517 ng
 RT: 17.200 min Scan# 1418
 Delta R.T. -0.000 min
 Lab File: BN015702.D
 Acq: 27 Jul 2021 13:48

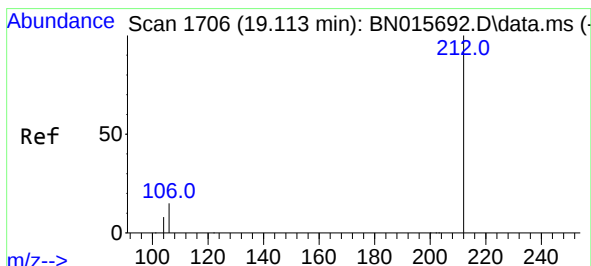
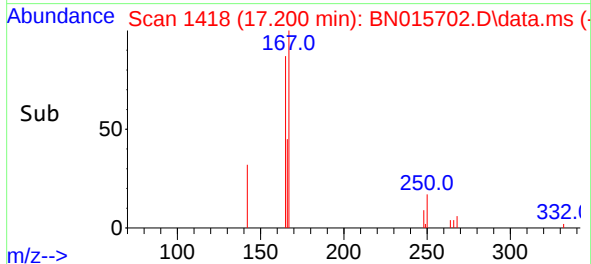
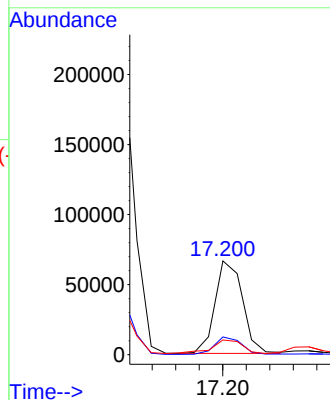
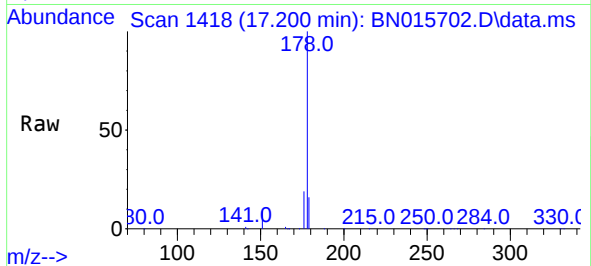
Tgt Ion:178 Resp: 107242

Ion	Ratio	Lower	Upper
178	100		
176	18.3	14.6	21.8
179	16.5	12.2	18.2

Instrument :
 BNA_N
 ClientSampleId :
 AREA-3-(0-9)

Manual Integrations
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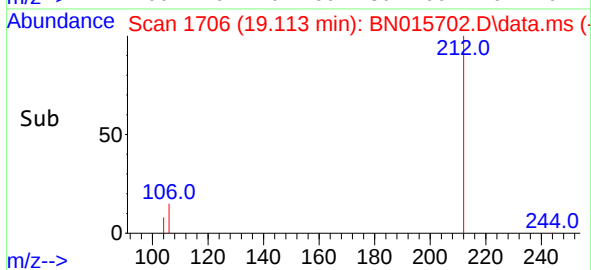
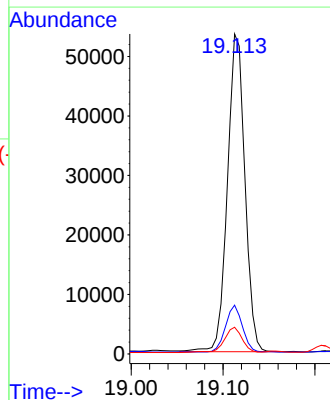
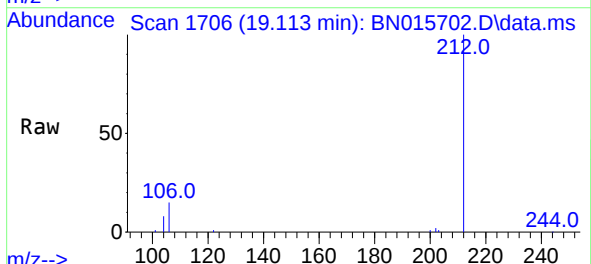
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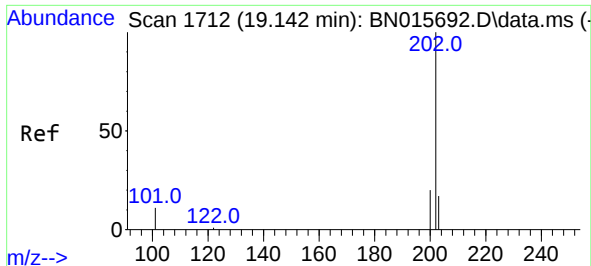


#27
 Fluoranthene-d10
 Concen: 0.322 ng
 RT: 19.113 min Scan# 1706
 Delta R.T. -0.000 min
 Lab File: BN015702.D
 Acq: 27 Jul 2021 13:48

Tgt Ion:212 Resp: 70599

Ion	Ratio	Lower	Upper
212	100		
106	14.3	11.5	17.3
104	8.3	6.3	9.5





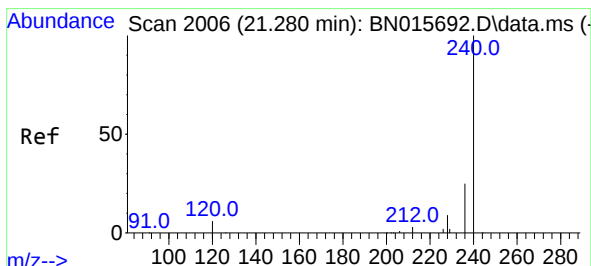
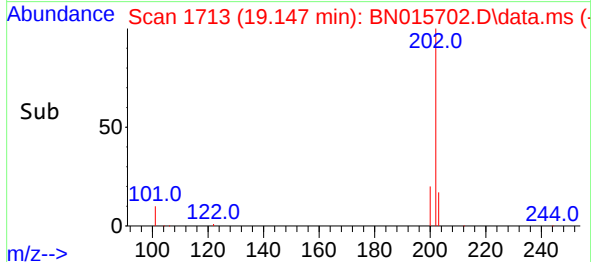
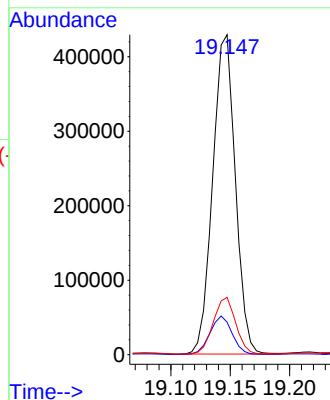
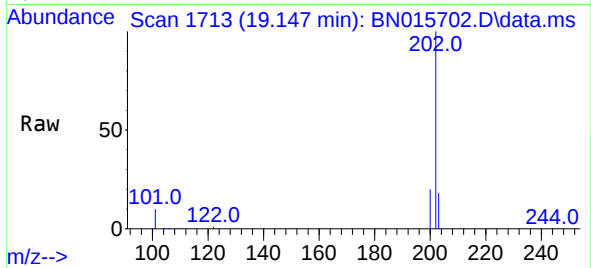
#28
Fluoranthene
Concen: 2.155 ng
RT: 19.147 min Scan# 1713
Delta R.T. 0.005 min
Lab File: BN015702.D
Acq: 27 Jul 2021 13:48

Tgt Ion:202 Resp: 567222
Ion Ratio Lower Upper
202 100
101 11.7 9.4 14.2
203 17.6 13.8 20.8

Instrument :
BNA_N
ClientSampleId :
AREA-3-(0-9)

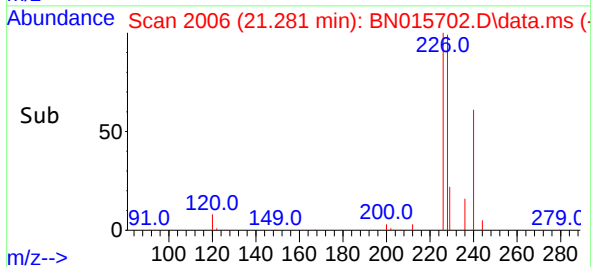
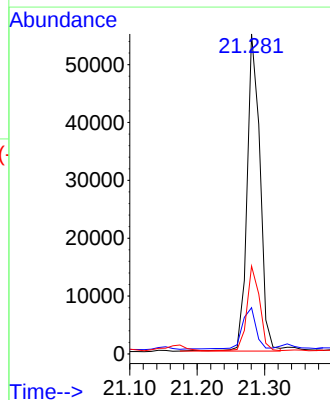
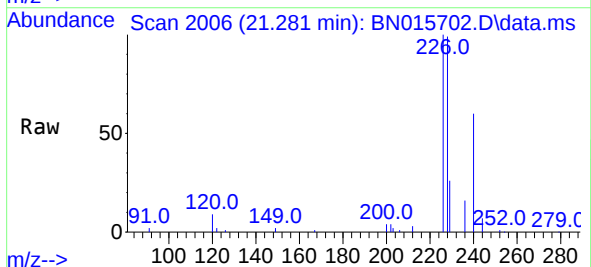
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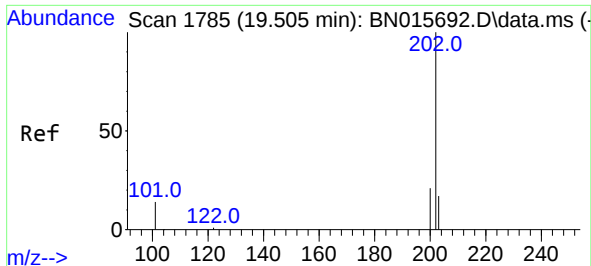
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#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.281 min Scan# 2006
Delta R.T. -0.000 min
Lab File: BN015702.D
Acq: 27 Jul 2021 13:48

Tgt Ion:240 Resp: 72797
Ion Ratio Lower Upper
240 100
120 14.4 4.9 7.3#
236 27.4 20.4 30.6





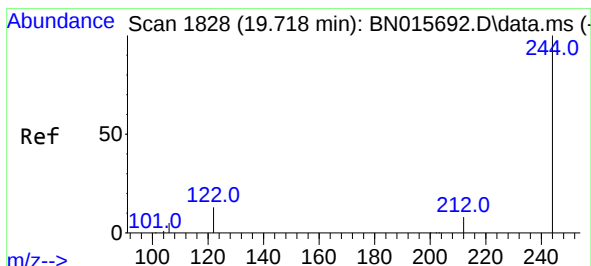
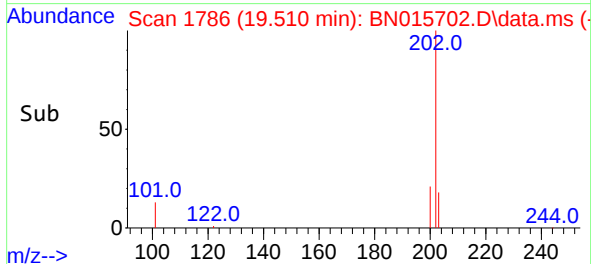
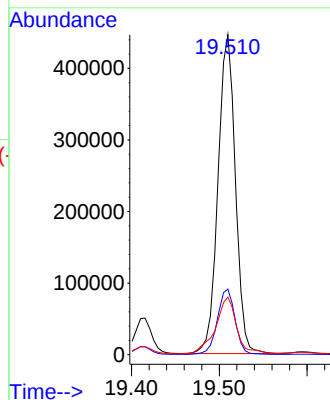
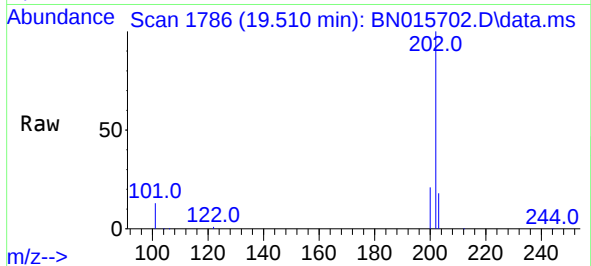
#30
Pyrene
Concen: 2.420 ng
RT: 19.510 min Scan# 1786
Delta R.T. 0.005 min
Lab File: BN015702.D
Acq: 27 Jul 2021 13:48

Tgt Ion:202 Resp: 614073
Ion Ratio Lower Upper
202 100
200 20.7 16.4 24.6
203 21.4 13.9 20.9#

Instrument :
BNA_N
ClientSampled :
AREA-3-(0-9)

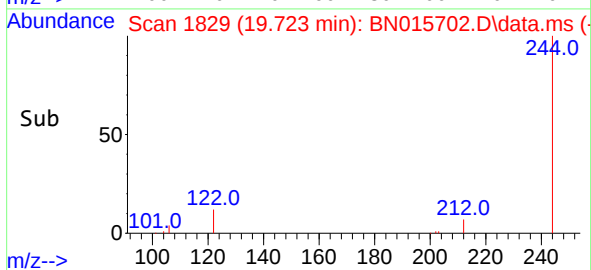
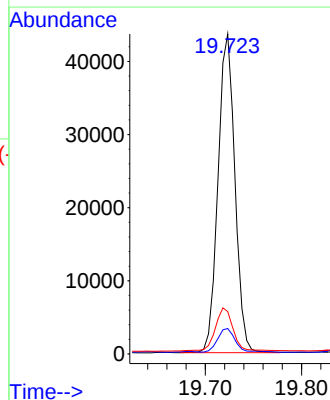
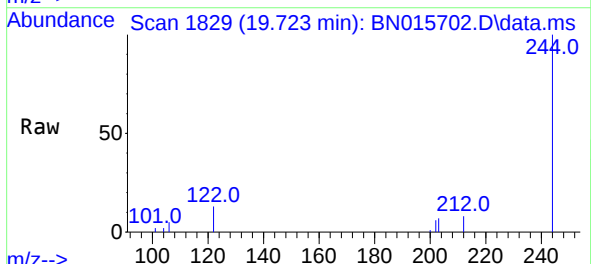
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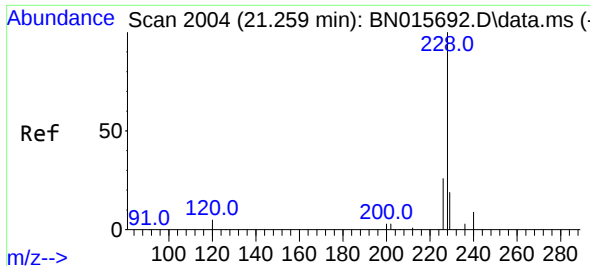
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#31
Terphenyl-d14
Concen: 0.313 ng
RT: 19.723 min Scan# 1829
Delta R.T. -0.000 min
Lab File: BN015702.D
Acq: 27 Jul 2021 13:48

Tgt Ion:244 Resp: 53186
Ion Ratio Lower Upper
244 100
212 8.0 6.2 9.2
122 13.2 10.9 16.3





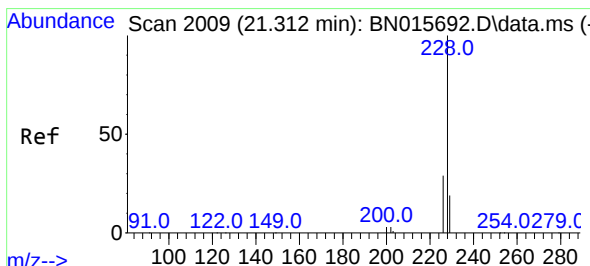
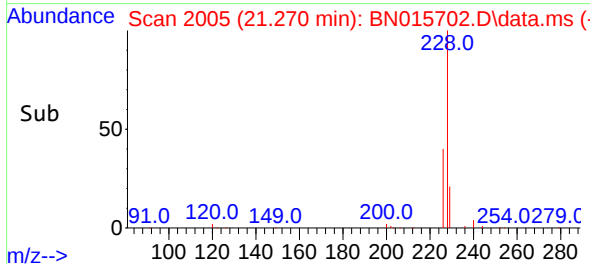
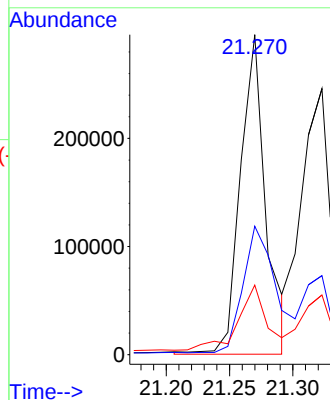
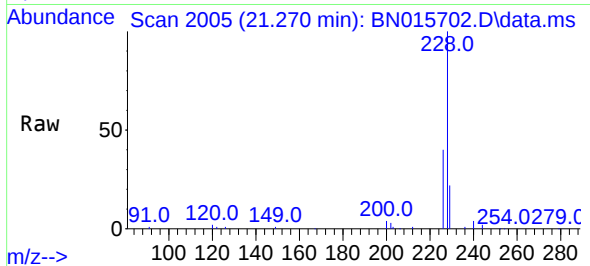
#32
Benzo(a)anthracene
Concen: 1.679 ng m
RT: 21.270 min Scan# 2005
Delta R.T. 0.011 min
Lab File: BN015702.D
Acq: 27 Jul 2021 13:48

Tgt Ion:228 Resp: 413822
Ion Ratio Lower Upper
228 100
226 40.1 21.2 31.8#
229 21.7 15.5 23.3

Instrument :
BNA_N
ClientSampled :
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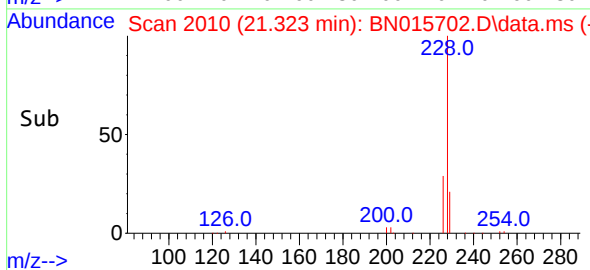
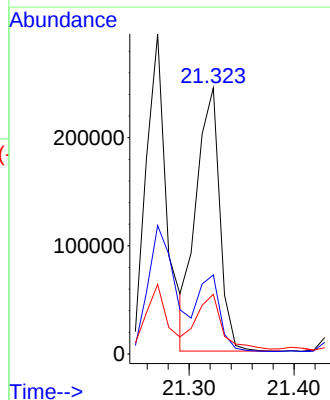
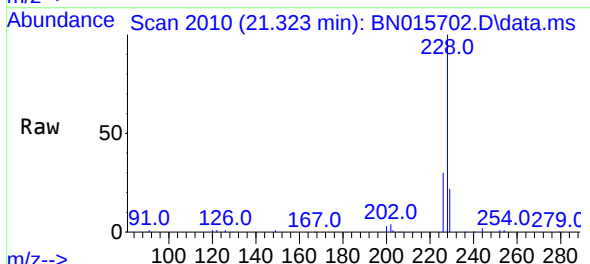
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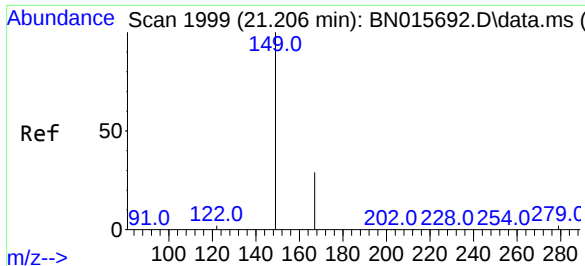
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#33
Chrysene
Concen: 1.540 ng
RT: 21.323 min Scan# 2010
Delta R.T. 0.011 min
Lab File: BN015702.D
Acq: 27 Jul 2021 13:48

Tgt Ion:228 Resp: 378488
Ion Ratio Lower Upper
228 100
226 29.7 23.4 35.0
229 22.4 15.5 23.3





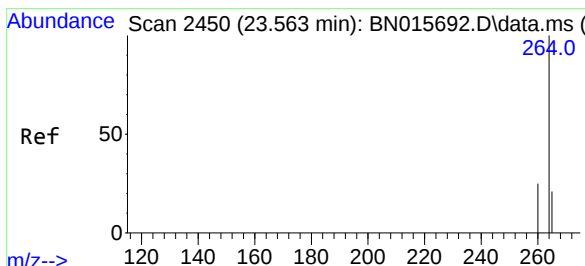
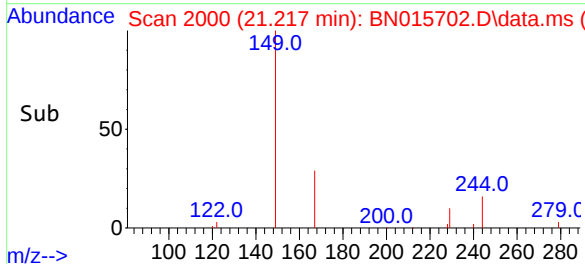
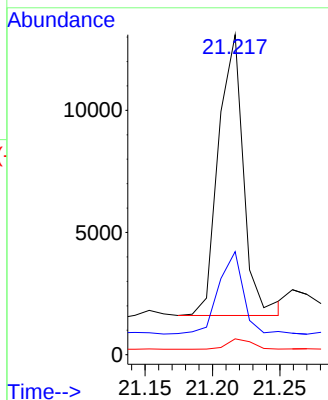
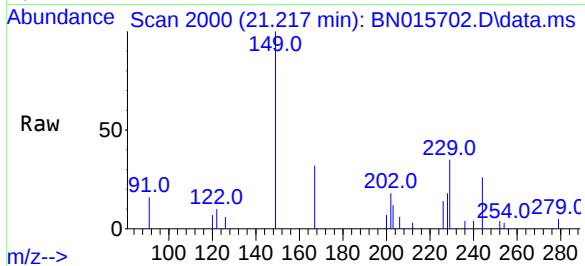
#34
Bis(2-ethylhexyl)phthalate
Concen: 0.273 ng
RT: 21.217 min Scan# 2000
Delta R.T. 0.011 min
Lab File: BN015702.D
Acq: 27 Jul 2021 13:48

Tgt Ion:149 Resp: 14907
Ion Ratio Lower Upper
149 100
167 29.1 22.6 34.0
279 3.7 2.8 4.2

Instrument :
BNA_N
ClientSampled :
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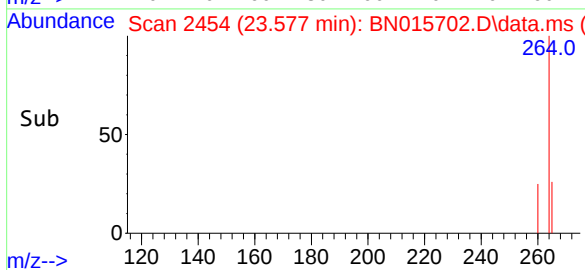
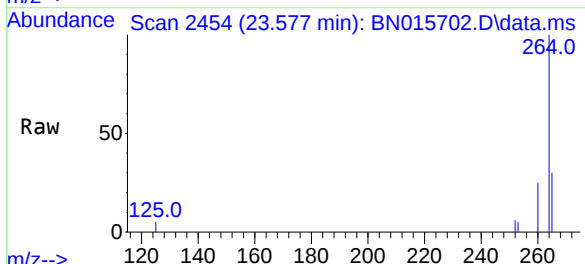
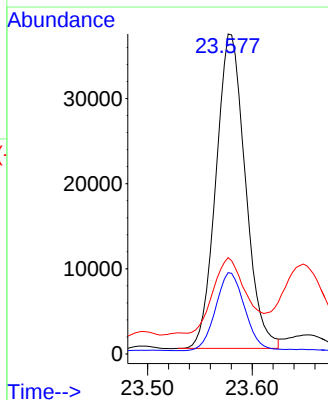
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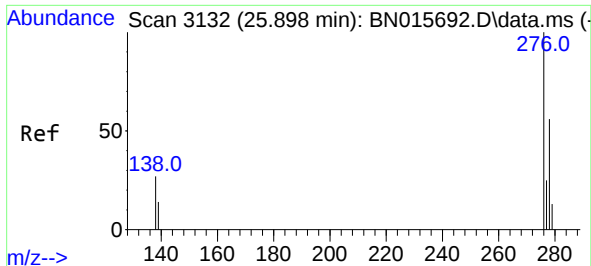
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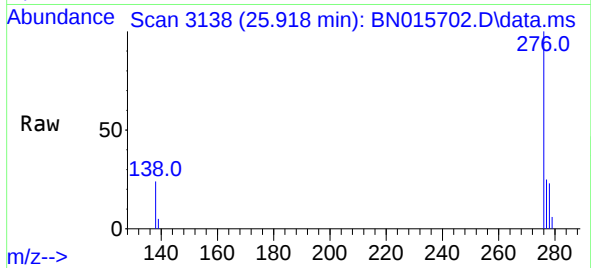
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.577 min Scan# 2454
Delta R.T. 0.007 min
Lab File: BN015702.D
Acq: 27 Jul 2021 13:48

Tgt Ion:264 Resp: 71866
Ion Ratio Lower Upper
264 100
260 25.4 19.8 29.8
265 30.1 19.0 28.6

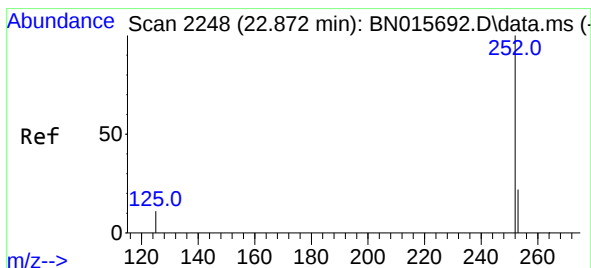
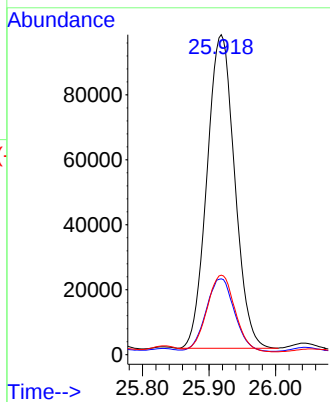
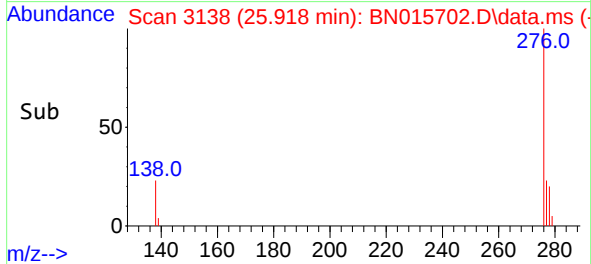




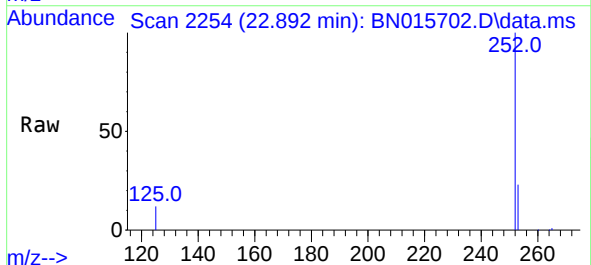
#36
Indeno(1,2,3-cd)pyrene
Concen: 1.014 ng
RT: 25.918 min Scan# 3138
Delta R.T. 0.010 min
Lab File: BN015702.D
Acq: 27 Jul 2021 13:48



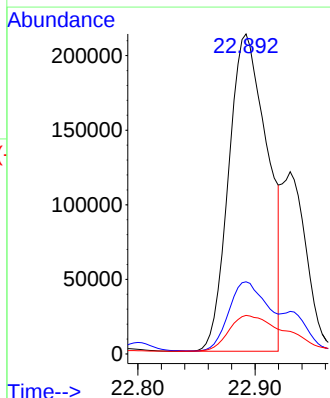
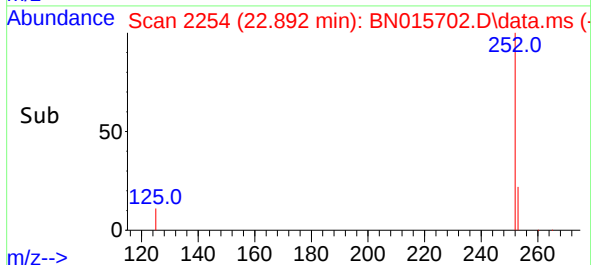
Tgt Ion:276 Resp: 278706
Ion Ratio Lower Upper
276 100
138 23.8 23.0 34.4
277 24.9 20.0 30.0



#37
Benzo(b)fluoranthene
Concen: 1.951 ng
RT: 22.892 min Scan# 2254
Delta R.T. 0.014 min
Lab File: BN015702.D
Acq: 27 Jul 2021 13:48



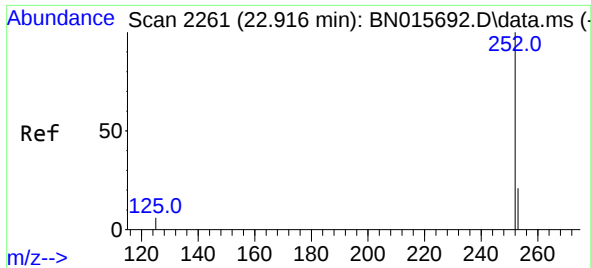
Tgt Ion:252 Resp: 487900
Ion Ratio Lower Upper
252 100
253 22.6 17.5 26.3
125 12.0 8.9 13.3



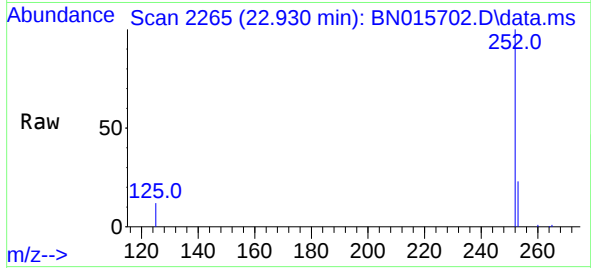
Instrument :
BNA_N
ClientSampleId :
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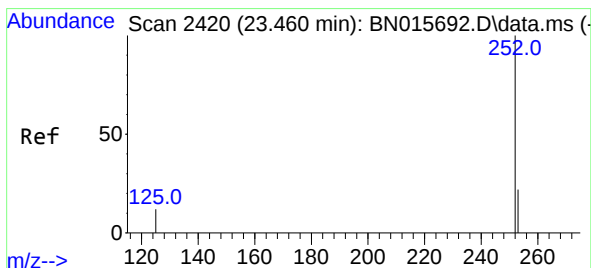
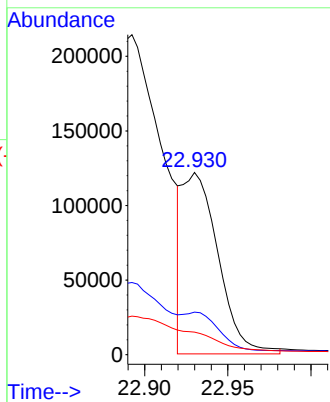
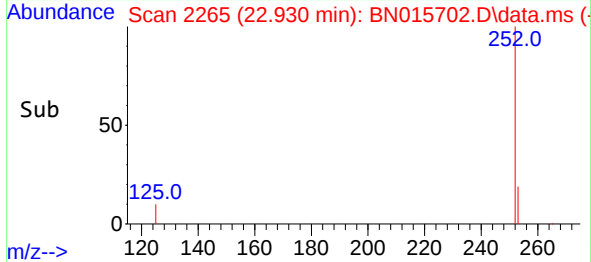
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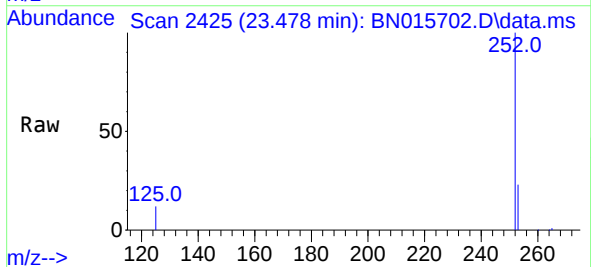
#38
Benzo(k)fluoranthene
Concen: 0.709 ng m
RT: 22.930 min Scan# 2265
Delta R.T. 0.007 min
Lab File: BN015702.D
Acq: 27 Jul 2021 13:48



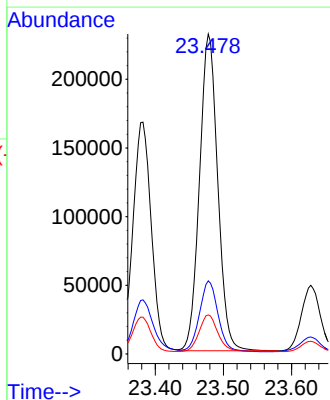
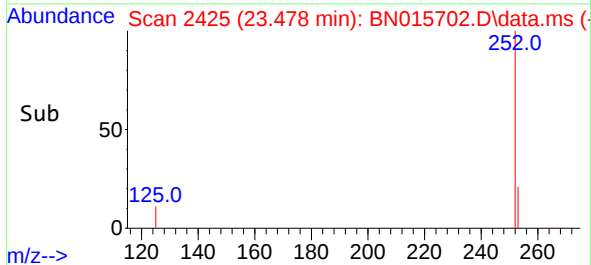
Tgt Ion:252 Resp: 181427
Ion Ratio Lower Upper
252 100
253 23.4 17.6 26.4
125 12.4 9.4 14.2



#39
Benzo(a)pyrene
Concen: 1.903 ng
RT: 23.478 min Scan# 2425
Delta R.T. 0.007 min
Lab File: BN015702.D
Acq: 27 Jul 2021 13:48



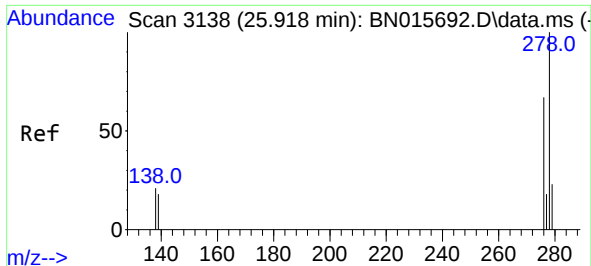
Tgt Ion:252 Resp: 427923
Ion Ratio Lower Upper
252 100
253 22.9 17.7 26.5
125 12.2 10.2 15.2



Instrument :
BNA_N
ClientSampleId :
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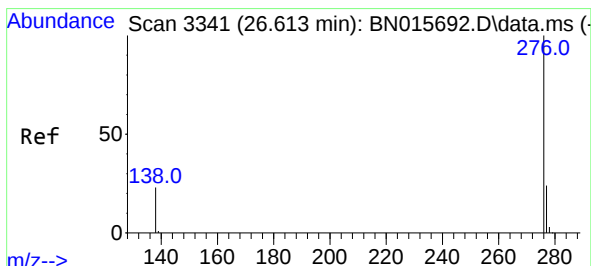
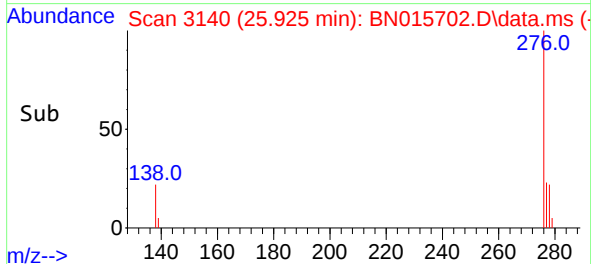
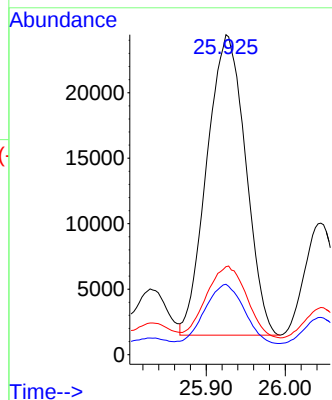
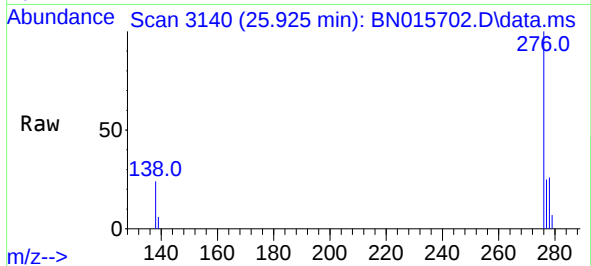
#40
Dibenzo(a,h)anthracene
Concen: 0.346 ng
RT: 25.925 min Scan# 3140
Delta R.T. 0.003 min
Lab File: BN015702.D
Acq: 27 Jul 2021 13:48

Tgt Ion:278 Resp: 77771
Ion Ratio Lower Upper
278 100
139 22.0 15.1 22.7
279 27.5 19.0 28.4

Instrument :
BNA_N
ClientSampled :
AREA-3-(0-9)

Manual Integrations
APPROVED

mohammad
7/28/2021 11:34:13 AM



#41
Benzo(g,h,i)perylene
Concen: 1.360 ng
RT: 26.637 min Scan# 3348
Delta R.T. 0.017 min
Lab File: BN015702.D
Acq: 27 Jul 2021 13:48

Tgt Ion:276 Resp: 312134
Ion Ratio Lower Upper
276 100
277 24.0 19.4 29.0
138 23.7 19.0 28.6

