

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN042221\
 Data File : BN014359.D
 Acq On : 21 Apr 2021 17:27
 Operator : CG/JU
 Sample : M2108-01DL2 25X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 38072-033121DL2

Manual Integrations
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Quant Time: Apr 21 17:57:26 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN042221.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 21 13:57:02 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.692	152	5971	0.40	ng	0.00
7) Naphthalene-d8	10.467	136	21457	0.40	ng	0.00
13) Acenaphthene-d10	14.321	164	11064	0.40	ng	0.00
19) Phenanthrene-d10	17.067	188	21860	0.40	ng	0.00
29) Chrysene-d12	21.258	240	25527	0.40	ng	0.00
36) Perylene-d12	23.486	264	16940	0.40	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.292	112	206	0.02	ng	0.00
5) Phenol-d6	6.863	99	218	0.01	ng	0.00
8) Nitrobenzene-d5	8.832	82	356	0.02	ng	0.00
11) 2-Methylnaphthalene-d10	12.057	152	520	0.02	ng	0.00
14) 2,4,6-Tribromophenol	15.818	330	59	0.02	ng	0.00
15) 2-Fluorobiphenyl	12.938	172	761	0.02	ng	0.00
27) Fluoranthene-d10	19.101	212	888	0.02	ng	0.00
31) Terphenyl-d14	19.707	244	856	0.02	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.517	128	141292	2.65	ng	99
12) 2-Methylnaphthalene	12.133	142	172811	4.97	ng	100
16) Acenaphthylene	14.042	152	135215	2.88	ng	100
17) Acenaphthene	14.384	154	60257	1.94	ng	97
18) Fluorene	15.374	166	274559	7.18	ng	99
25) Phenanthrene	17.103	178	135713	2.21	ng	100
26) Anthracene	17.201	178	471988	9.81	ng	99
28) Fluoranthene	19.131	202	419186	6.40	ng	100
30) Pyrene	19.498	202	558022	7.34	ng	100
32) Benzo(a)anthracene	21.247	228	534092	7.91	ng	100
33) Chrysene	21.300	228	381755	4.80	ng	100
35) Indeno(1,2,3-cd)pyrene	25.721	276	266895	3.01	ng	97
37) Benzo(b)fluoranthene	22.819	252	236680	3.80	ng	# 95
38) Benzo(k)fluoranthene	22.863	252	233155m	3.68	ng	
39) Benzo(a)pyrene	23.390	252	167669	3.17	ng	# 92
40) Dibenzo(a,h)anthracene	25.739	278	122354	2.09	ng	98
41) Benzo(g,h,i)perylene	26.406	276	430857	6.95	ng	99

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

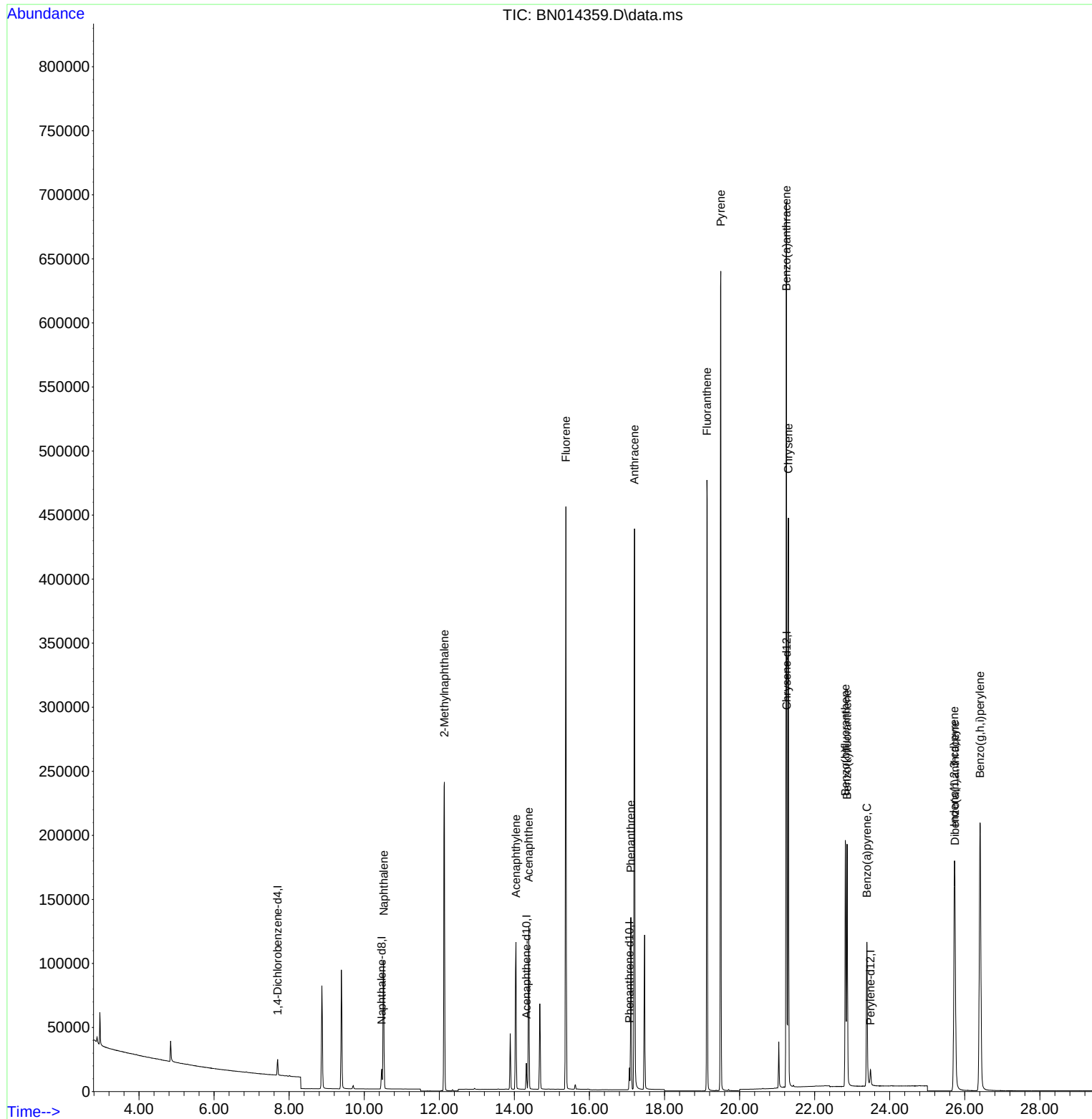
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN042221\
Data File : BN014359.D
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Operator : CG/JU
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ALS Vial : 13 Sample Multiplier: 1

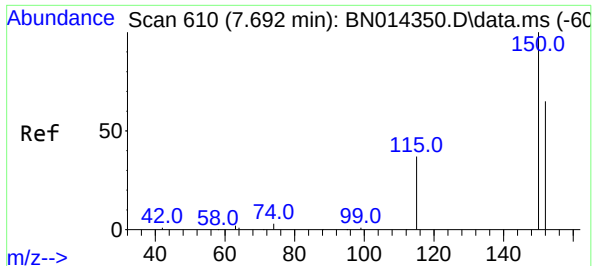
Instrument :
BNA_N
ClientSampleId :
38072-033121DL2

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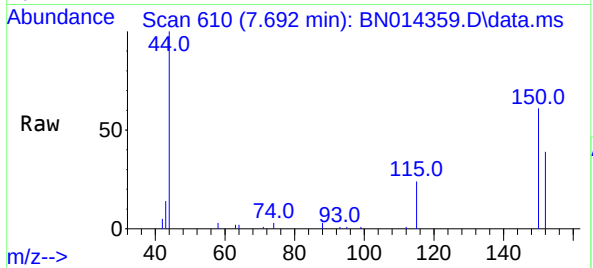
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Quant Time: Apr 21 17:57:26 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN042221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 21 13:57:02 2021
Response via : Initial Calibration

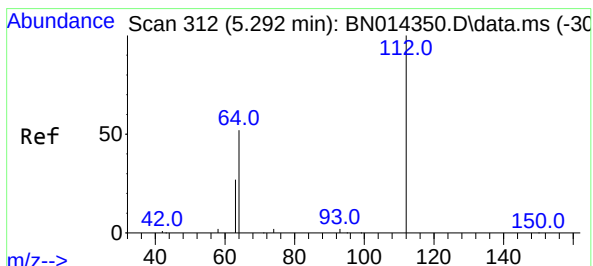
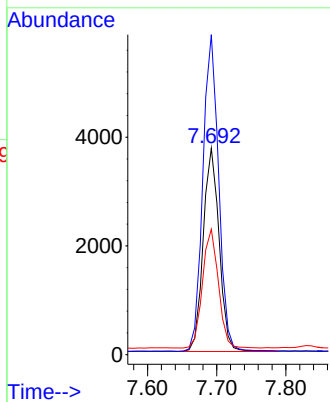
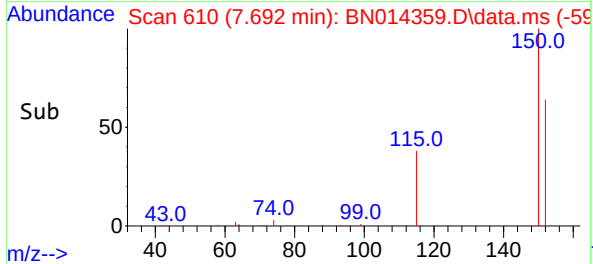




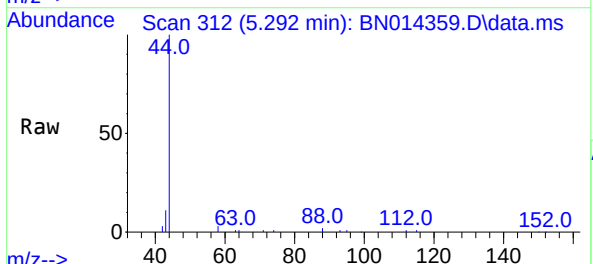
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1,4-Dichlorobenzene-d4
Concen: 0.40 ng
RT: 7.692 min Scan# 610
Delta R.T. 0.000 min
Lab File: BN014359.D
Acq: 21 Apr 2021 17:27



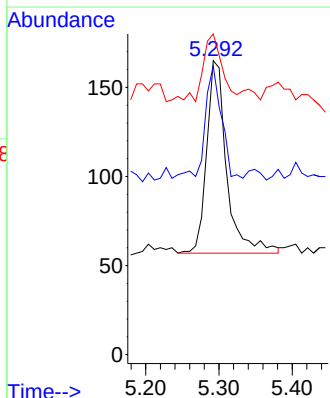
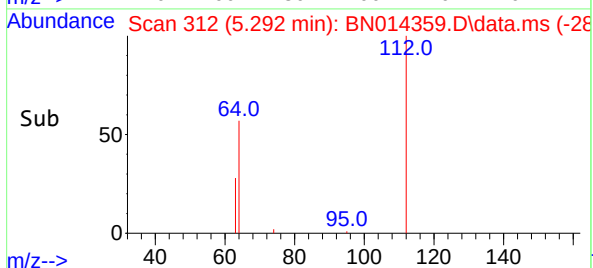
Tgt Ion:152 Resp: 5971
Ion Ratio Lower Upper
152 100
150 154.9 123.4 185.2
115 60.7 47.5 71.3



#4
2-Fluorophenol
Concen: 0.02 ng
RT: 5.292 min Scan# 312
Delta R.T. 0.000 min
Lab File: BN014359.D
Acq: 21 Apr 2021 17:27



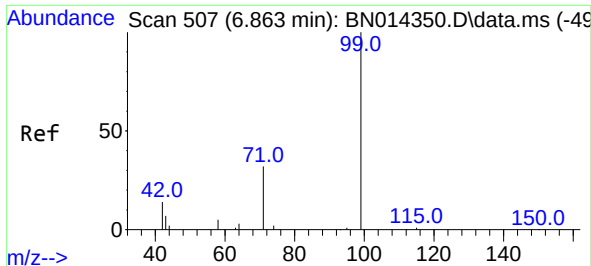
Tgt Ion:112 Resp: 206
Ion Ratio Lower Upper
112 100
64 46.6 43.0 64.6
63 40.3 23.4 35.0#



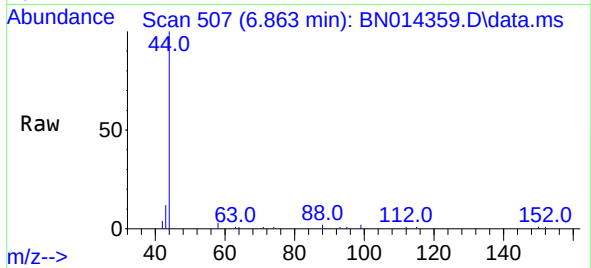
Instrument :
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ClientSampleId :
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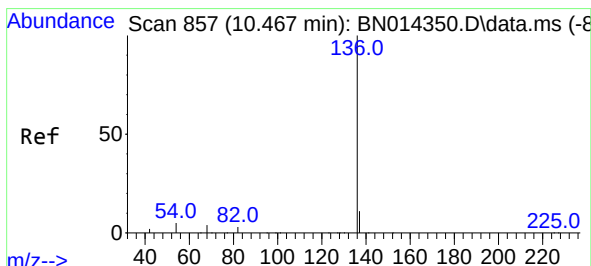
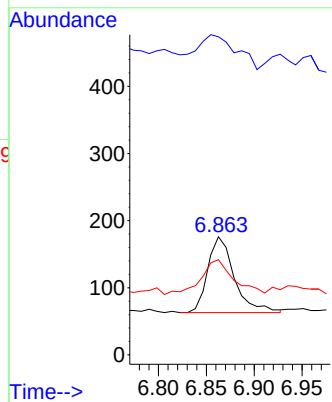
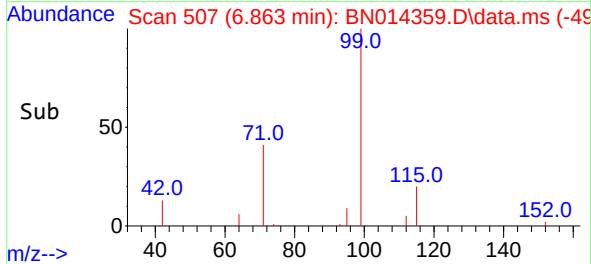
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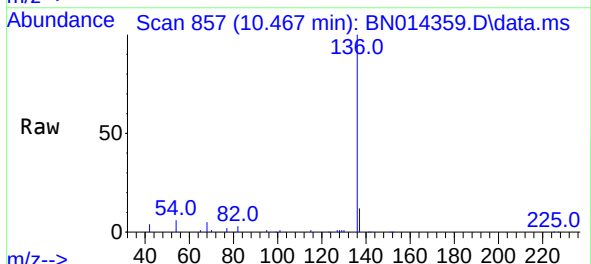
#5
Phenol-d6
Concen: 0.01 ng
RT: 6.863 min Scan# 507
Delta R.T. -0.000 min
Lab File: BN014359.D
Acq: 21 Apr 2021 17:27



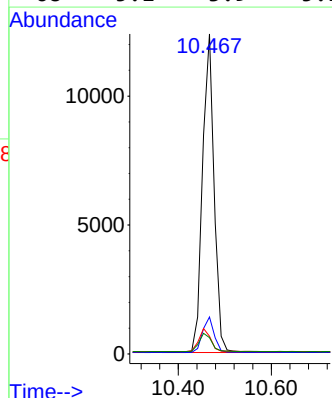
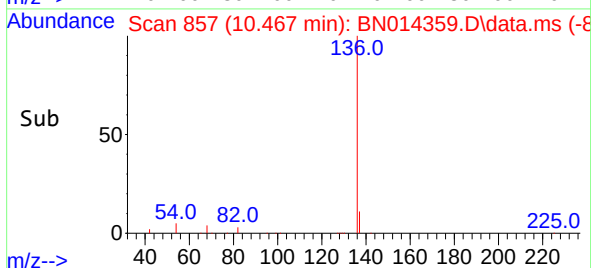
Tgt Ion: 99 Resp: 218
Ion Ratio Lower Upper
99 100
42 69.3 16.0 24.0#
71 55.5 27.8 41.8#



#7
Naphthalene-d8
Concen: 0.40 ng
RT: 10.467 min Scan# 857
Delta R.T. -0.000 min
Lab File: BN014359.D
Acq: 21 Apr 2021 17:27



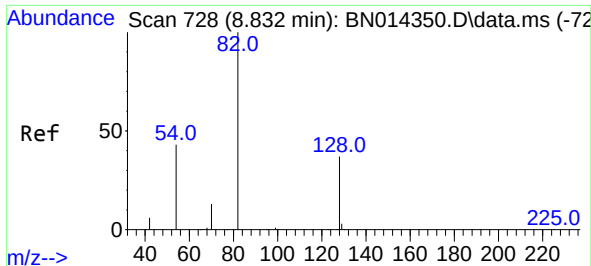
Tgt Ion: 136 Resp: 21457
Ion Ratio Lower Upper
136 100
137 11.5 9.0 13.6
54 5.5 4.4 6.6
68 5.1 3.9 5.9



Instrument :
BNA_N
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38072-033121DL2

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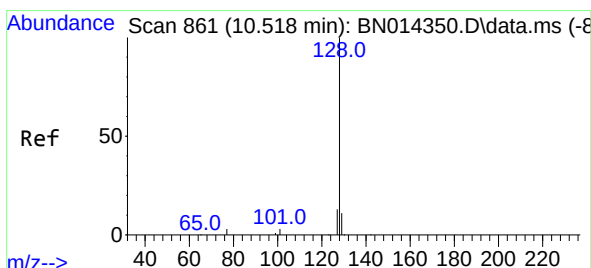
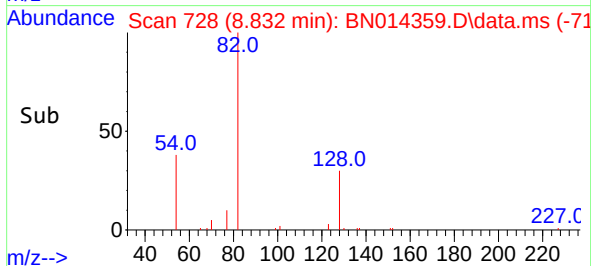
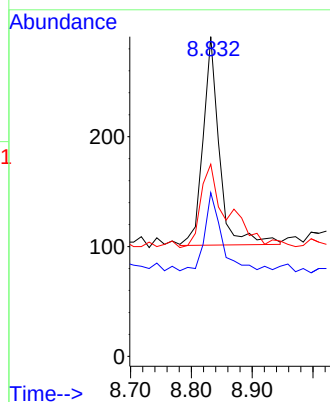
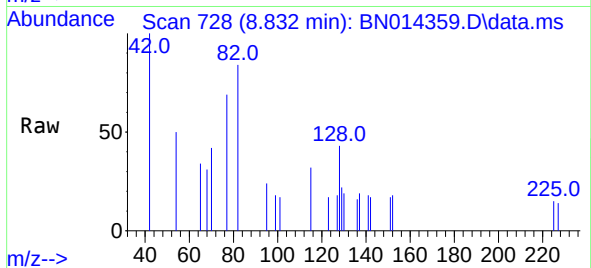
#8
Nitrobenzene-d5
Concen: 0.02 ng
RT: 8.832 min Scan# 728
Delta R.T. -0.000 min
Lab File: BN014359.D
Acq: 21 Apr 2021 17:27

Tgt Ion:	82	Resp:	356
Ion	Ratio	Lower	Upper
82	100		
128	51.2	30.3	45.5#
54	60.1	35.8	53.8#

Instrument :
BNA_N
ClientSampleId :
38072-033121DL2

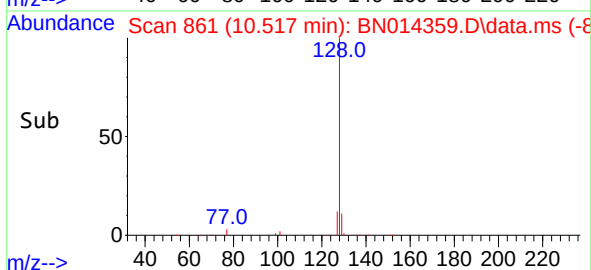
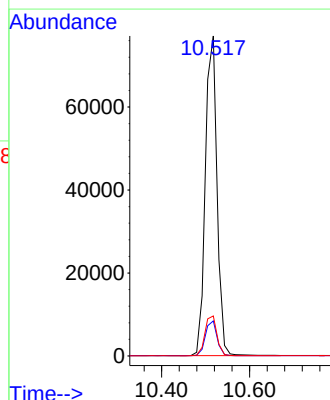
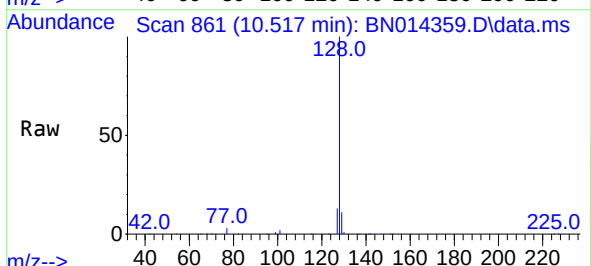
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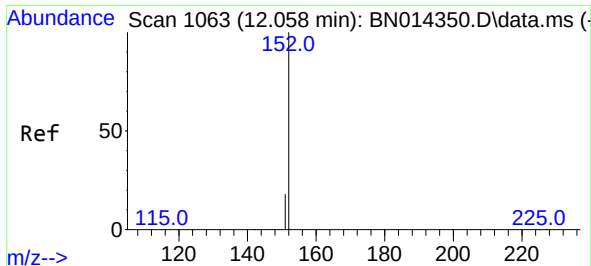
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#9
Naphthalene
Concen: 2.65 ng
RT: 10.517 min Scan# 861
Delta R.T. -0.000 min
Lab File: BN014359.D
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Tgt Ion:	128	Resp:	141292
Ion	Ratio	Lower	Upper
128	100		
129	10.9	9.0	13.6
127	12.5	10.3	15.5





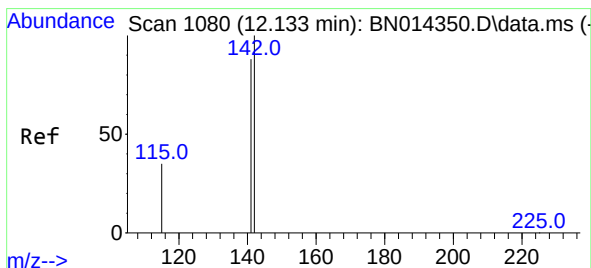
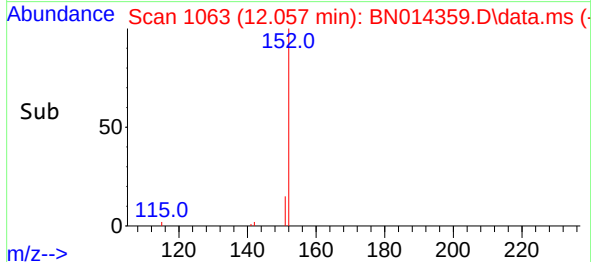
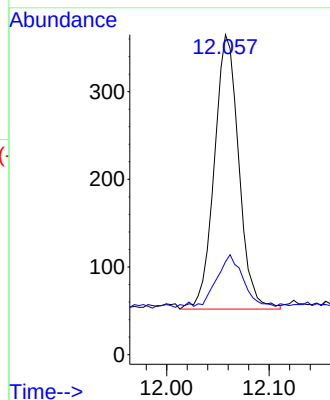
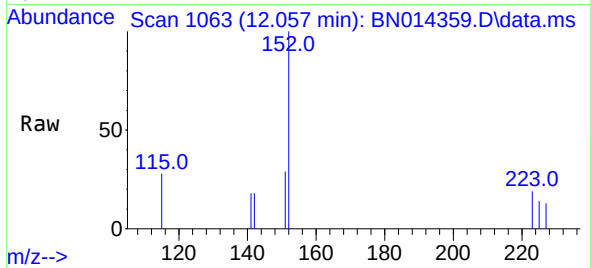
#11
2-Methylnaphthalene-d10
Concen: 0.02 ng
RT: 12.057 min Scan# 1063
Delta R.T. -0.000 min
Lab File: BN014359.D
Acq: 21 Apr 2021 17:27

Tgt Ion:152 Resp: 520
Ion Ratio Lower Upper
152 100
151 20.2 16.3 24.5

Instrument :
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ClientSampleId :
38072-033121DL2

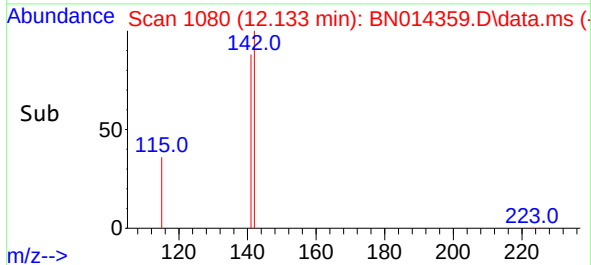
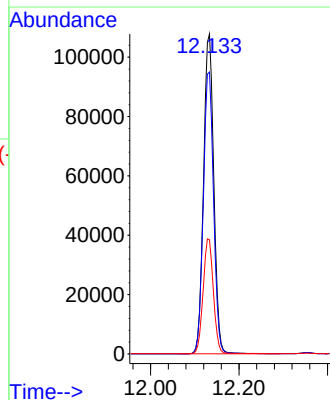
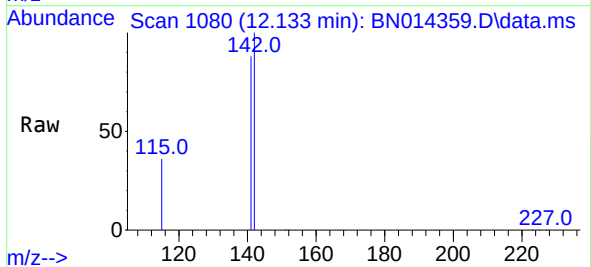
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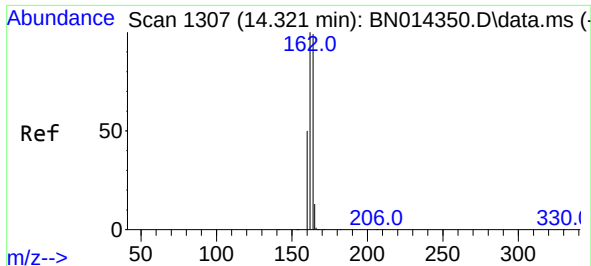
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#12
2-Methylnaphthalene
Concen: 4.97 ng
RT: 12.133 min Scan# 1080
Delta R.T. -0.000 min
Lab File: BN014359.D
Acq: 21 Apr 2021 17:27

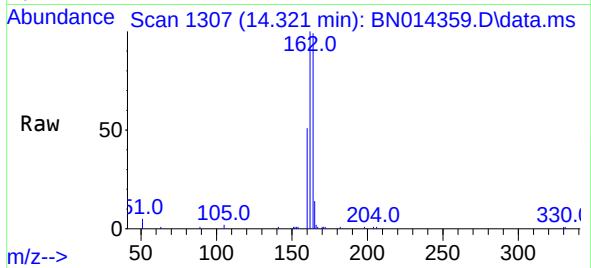
Tgt Ion:142 Resp: 172811
Ion Ratio Lower Upper
142 100
141 88.1 70.6 105.8
115 35.7 29.0 43.6





#13
Acenaphthene-d10
Concen: 0.40 ng
RT: 14.321 min Scan# 1307
Delta R.T. -0.000 min
Lab File: BN014359.D
Acq: 21 Apr 2021 17:27

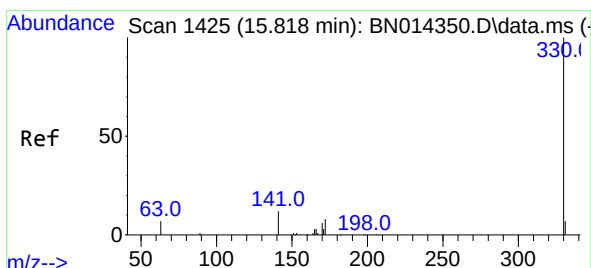
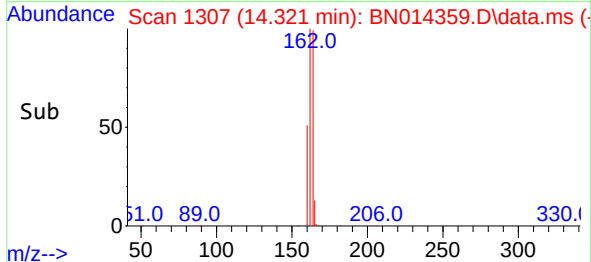
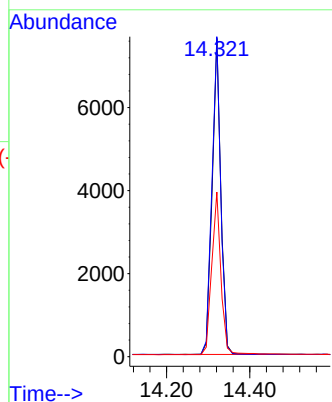
Instrument :
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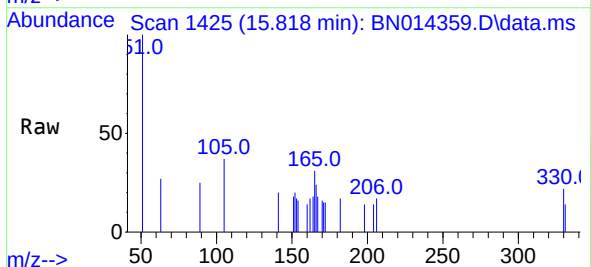
Tgt Ion:164 Resp: 11064
Ion Ratio Lower Upper
164 100
162 100.5 81.0 121.6
160 51.7 40.7 61.1

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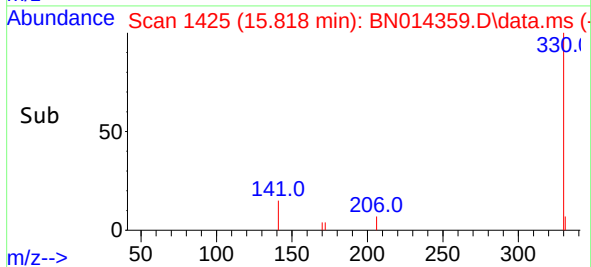
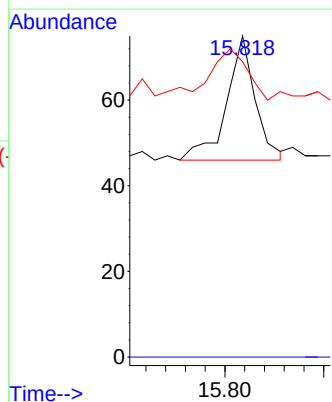
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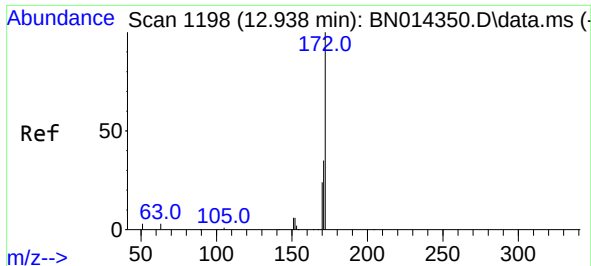


#14
2,4,6-Tribromophenol
Concen: 0.02 ng
RT: 15.818 min Scan# 1425
Delta R.T. -0.000 min
Lab File: BN014359.D
Acq: 21 Apr 2021 17:27

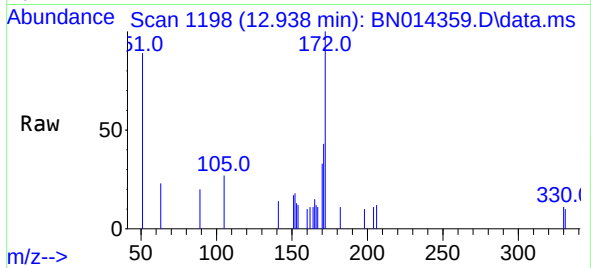


Tgt Ion:330 Resp: 59
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 45.8 26.2 39.2#

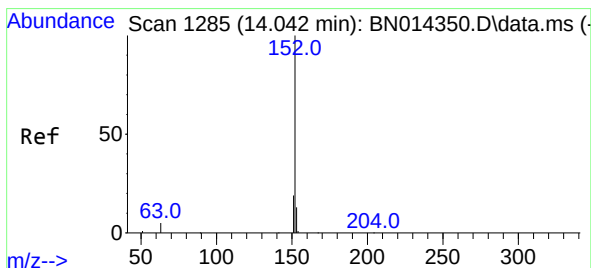
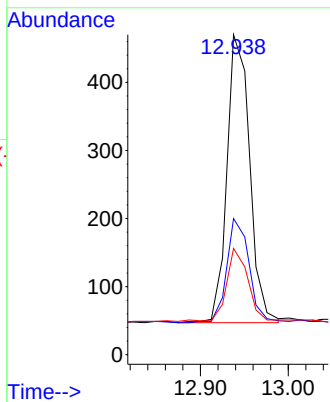
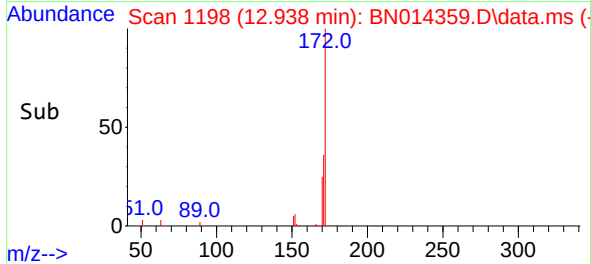




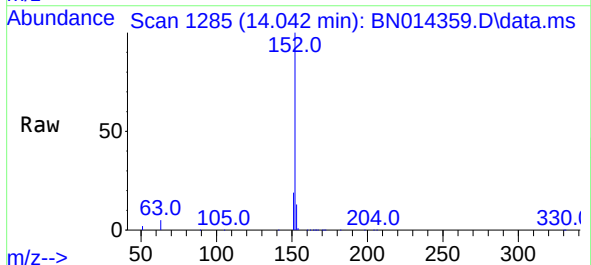
#15
2-Fluorobiphenyl
Concen: 0.02 ng
RT: 12.938 min Scan# 1198
Delta R.T. -0.000 min
Lab File: BN014359.D
Acq: 21 Apr 2021 17:27



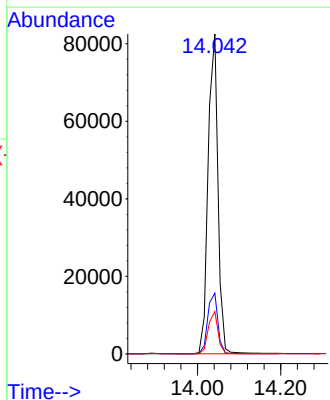
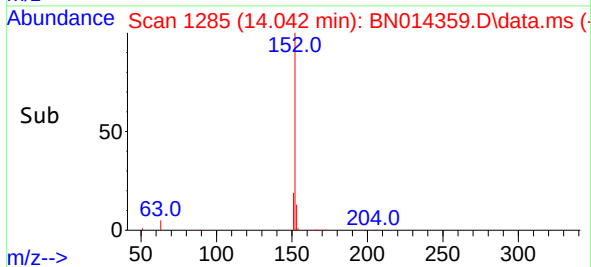
Tgt Ion:172 Resp: 761
Ion Ratio Lower Upper
172 100
171 42.6 28.2 42.2#
170 33.2 19.6 29.4#



#16
Acenaphthylene
Concen: 2.88 ng
RT: 14.042 min Scan# 1285
Delta R.T. -0.000 min
Lab File: BN014359.D
Acq: 21 Apr 2021 17:27



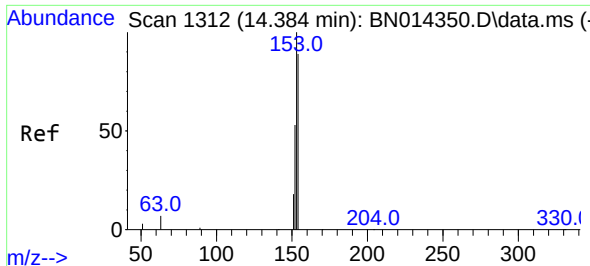
Tgt Ion:152 Resp: 135215
Ion Ratio Lower Upper
152 100
151 19.5 15.6 23.4
153 13.1 10.5 15.7



Instrument :
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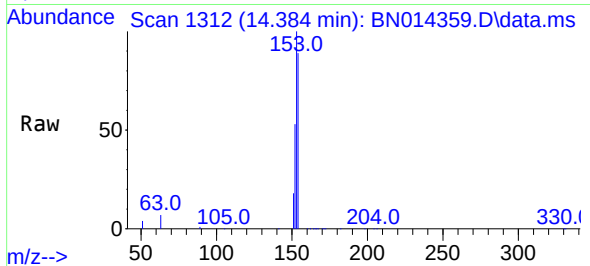
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#17
Acenaphthene
Concen: 1.94 ng
RT: 14.384 min Scan# 1312
Delta R.T. -0.000 min
Lab File: BN014359.D
Acq: 21 Apr 2021 17:27

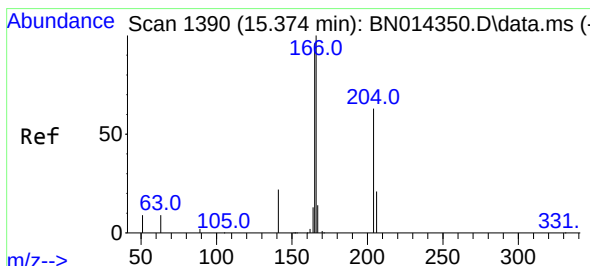
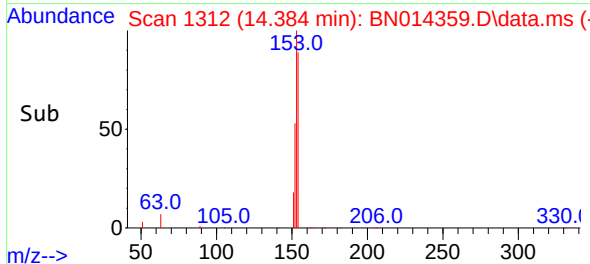
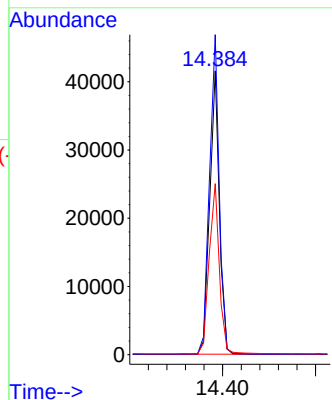
Instrument :
BNA_N
ClientSampleId :
38072-033121DL2



Tgt Ion:154 Resp: 60257
Ion Ratio Lower Upper
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153 114.5 89.2 133.8
152 63.8 49.0 73.4

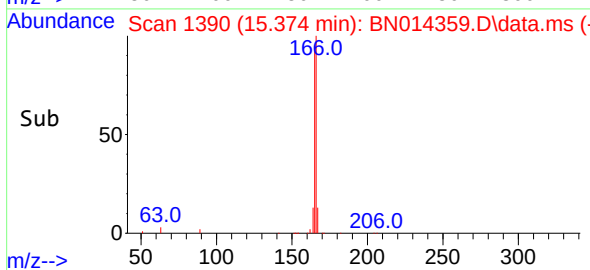
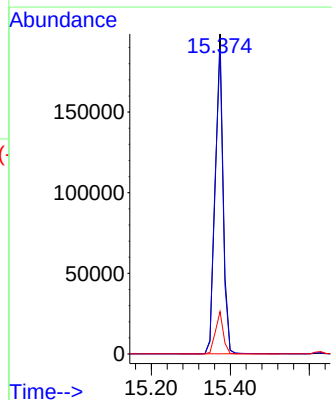
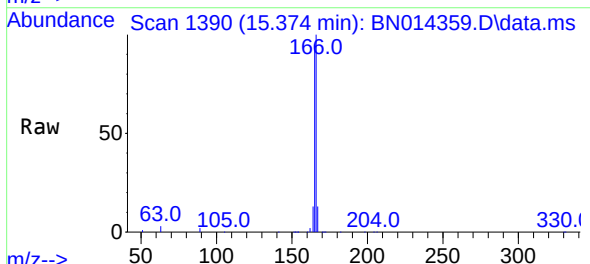
Manual Integrations
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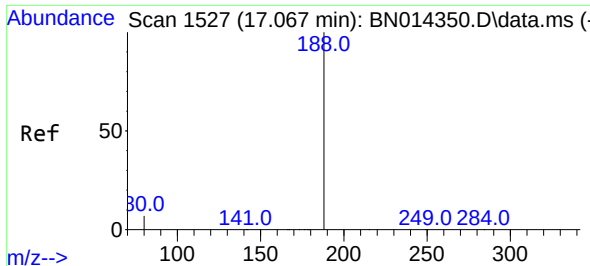
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#18
Fluorene
Concen: 7.18 ng
RT: 15.374 min Scan# 1390
Delta R.T. -0.000 min
Lab File: BN014359.D
Acq: 21 Apr 2021 17:27

Tgt Ion:166 Resp: 274559
Ion Ratio Lower Upper
166 100
165 97.6 78.6 118.0
167 13.2 10.9 16.3





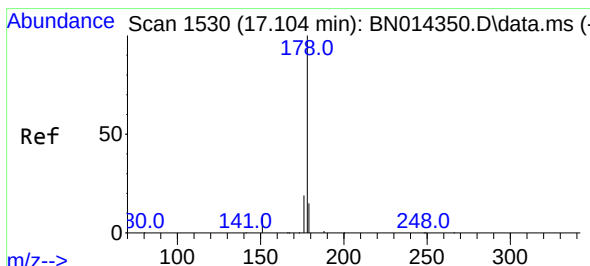
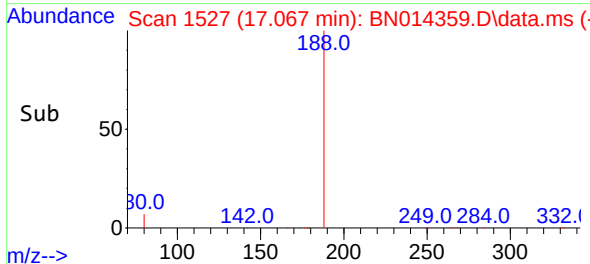
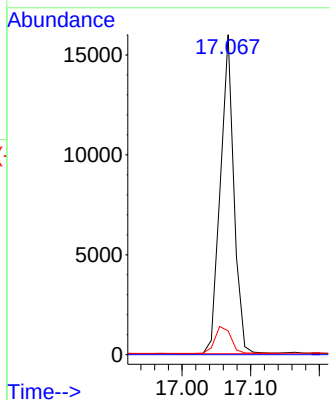
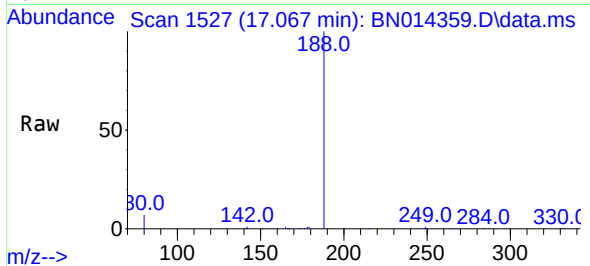
#19
Phenanthrene-d10
Concen: 0.40 ng
RT: 17.067 min Scan# 1527
Delta R.T. -0.000 min
Lab File: BN014359.D
Acq: 21 Apr 2021 17:27

Tgt Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	7.4	6.2	9.4

Instrument :
BNA_N
ClientSampleId :
38072-033121DL2

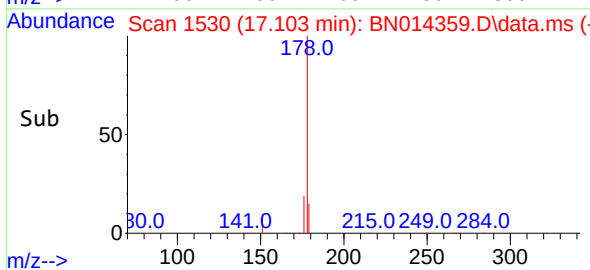
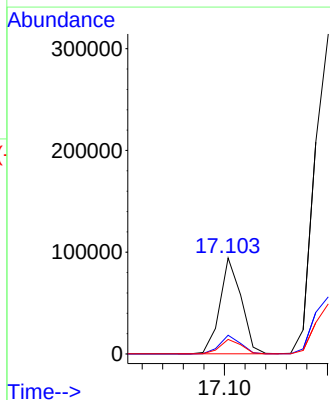
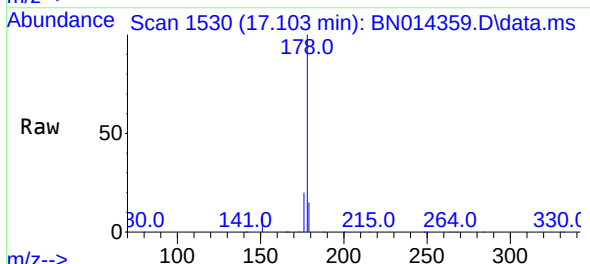
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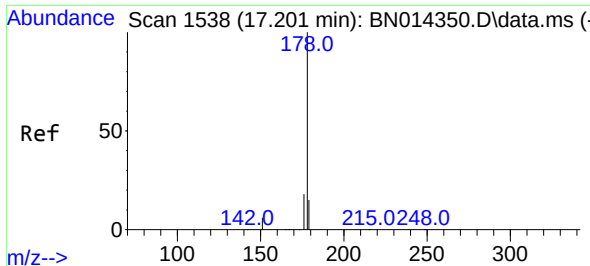
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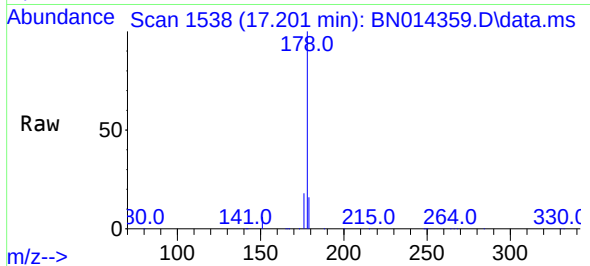
#25
Phenanthrene
Concen: 2.21 ng
RT: 17.103 min Scan# 1530
Delta R.T. -0.000 min
Lab File: BN014359.D
Acq: 21 Apr 2021 17:27

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.2	22.8
179	15.2	12.2	18.4



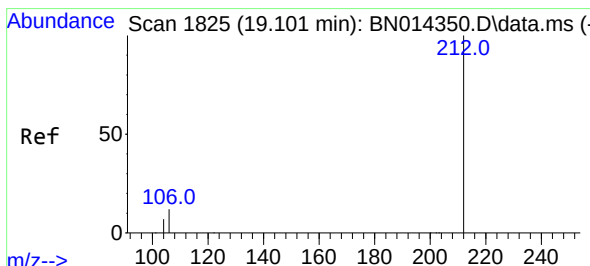
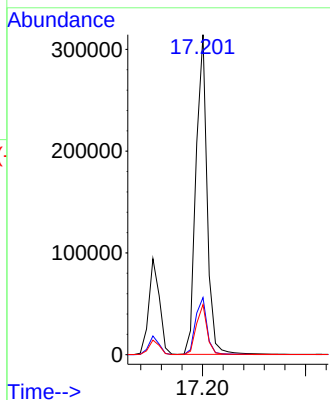
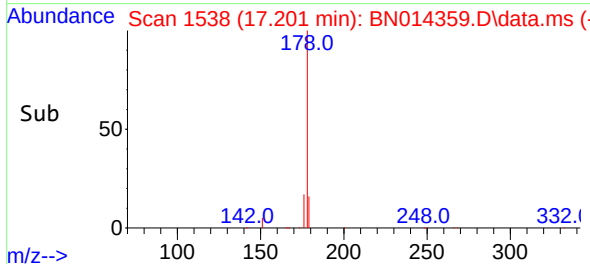


#26
 Anthracene
 Concen: 9.81 ng
 RT: 17.201 min Scan# 1538
 Delta R.T. -0.000 min
 Lab File: BN014359.D
 Acq: 21 Apr 2021 17:27

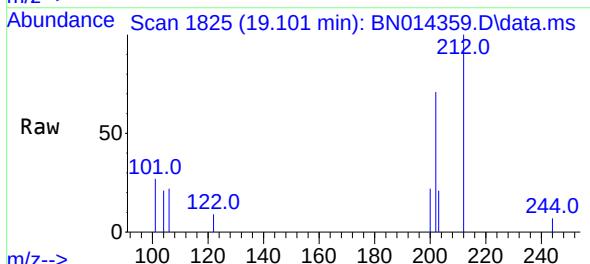


Tgt Ion:178 Resp: 471988

Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.0	22.4
179	15.4	12.2	18.2

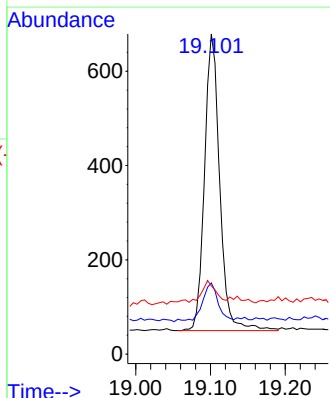
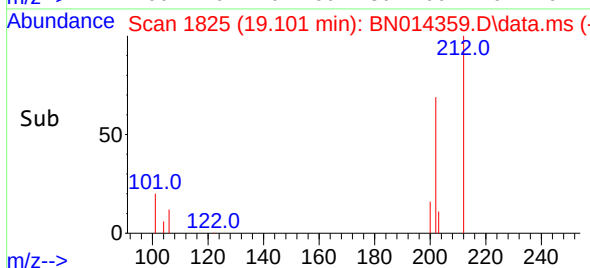


#27
 Fluoranthene-d10
 Concen: 0.02 ng
 RT: 19.101 min Scan# 1825
 Delta R.T. -0.000 min
 Lab File: BN014359.D
 Acq: 21 Apr 2021 17:27



Tgt Ion:212 Resp: 888

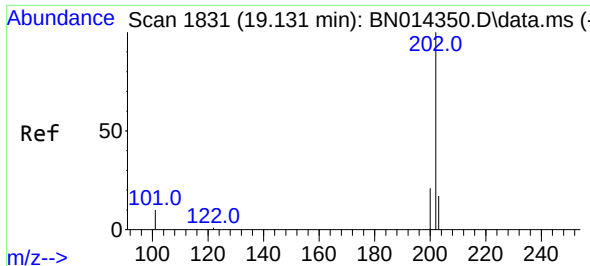
Ion	Ratio	Lower	Upper
212	100		
106	11.9	9.7	14.5
104	7.7	5.4	8.0



Instrument :
 BNA_N
 ClientSampleId :
 38072-033121DL2

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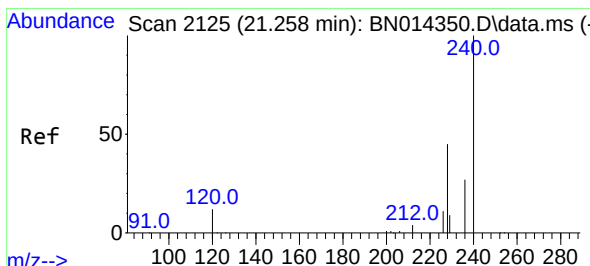
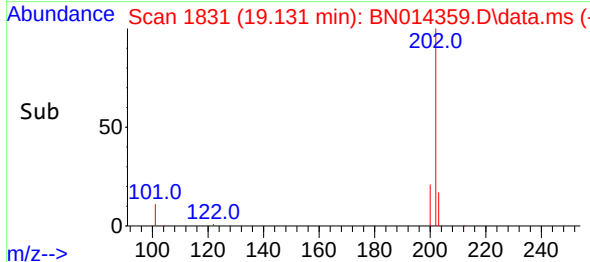
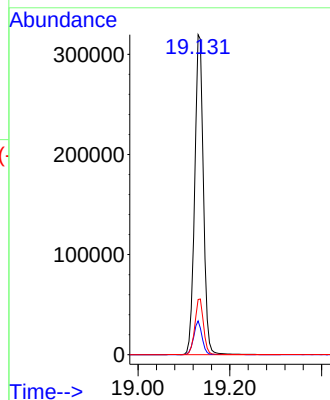
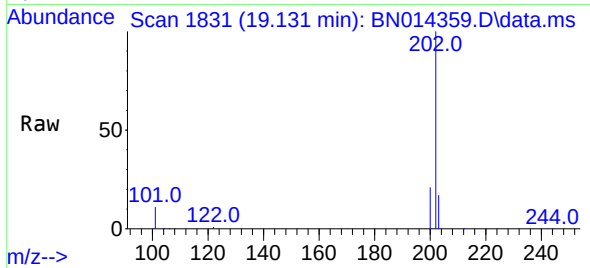
#28
Fluoranthene
Concen: 6.40 ng
RT: 19.131 min Scan# 1831
Delta R.T. -0.000 min
Lab File: BN014359.D
Acq: 21 Apr 2021 17:27

Tgt Ion:202 Resp: 419186
Ion Ratio Lower Upper
202 100
101 10.1 8.2 12.4
203 17.4 13.8 20.6

Instrument :
BNA_N
ClientSampleId :
38072-033121DL2

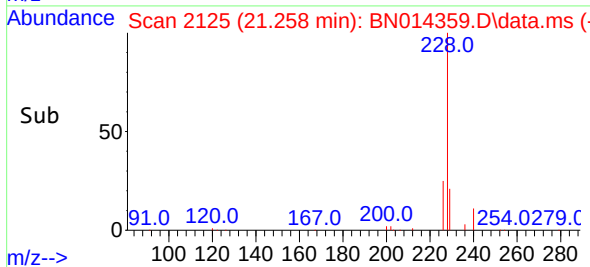
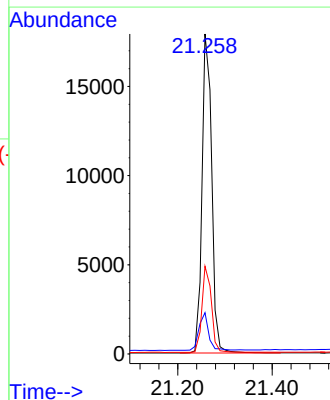
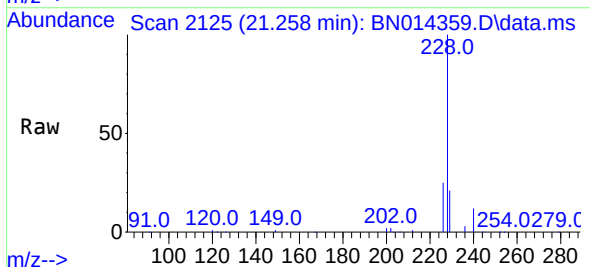
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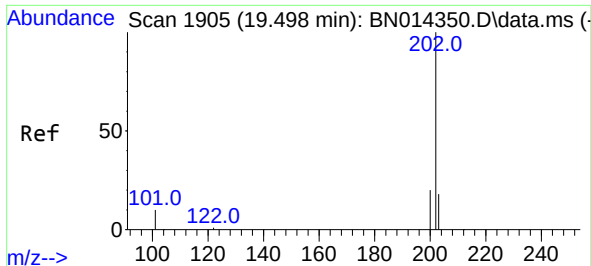
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#29
Chrysene-d12
Concen: 0.40 ng
RT: 21.258 min Scan# 2125
Delta R.T. -0.000 min
Lab File: BN014359.D
Acq: 21 Apr 2021 17:27

Tgt Ion:240 Resp: 25527
Ion Ratio Lower Upper
240 100
120 12.9 10.7 16.1
236 27.4 21.5 32.3





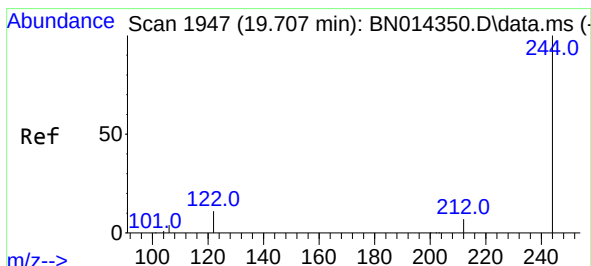
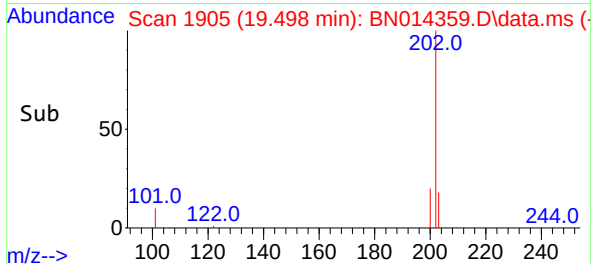
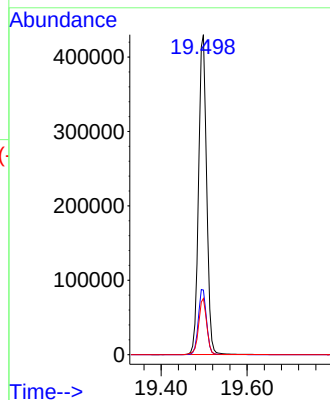
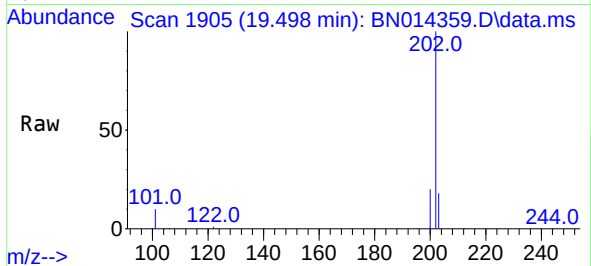
#30
Pyrene
Concen: 7.34 ng
RT: 19.498 min Scan# 1905
Delta R.T. -0.000 min
Lab File: BN014359.D
Acq: 21 Apr 2021 17:27

Tgt Ion:202 Resp: 558022
Ion Ratio Lower Upper
202 100
200 20.6 16.6 24.8
203 17.7 14.1 21.1

Instrument :
BNA_N
ClientSampleId :
38072-033121DL2

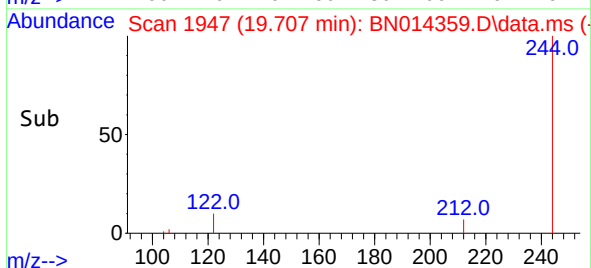
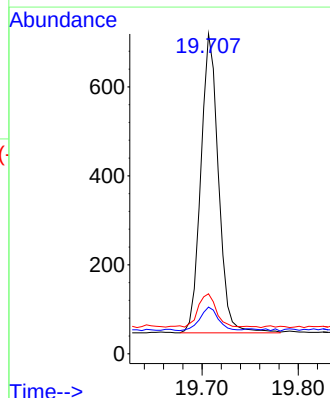
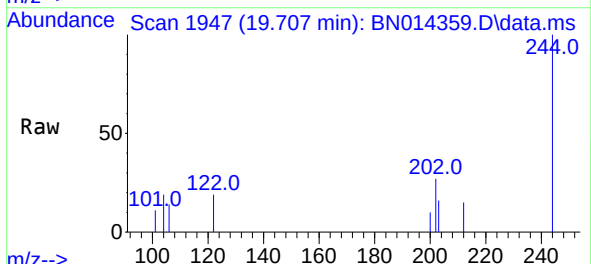
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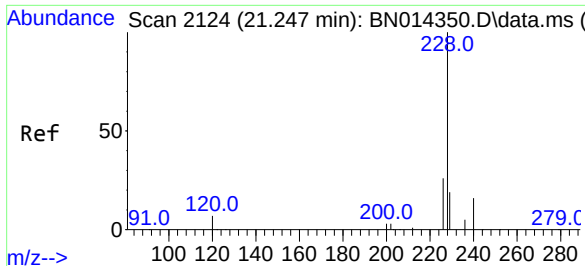
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#31
Terphenyl-d14
Concen: 0.02 ng
RT: 19.707 min Scan# 1947
Delta R.T. -0.000 min
Lab File: BN014359.D
Acq: 21 Apr 2021 17:27

Tgt Ion:244 Resp: 856
Ion Ratio Lower Upper
244 100
212 14.6 6.2 9.4#
122 18.8 9.3 13.9#





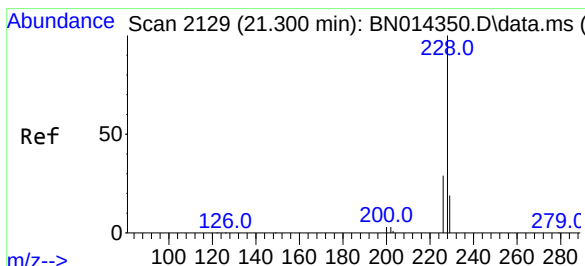
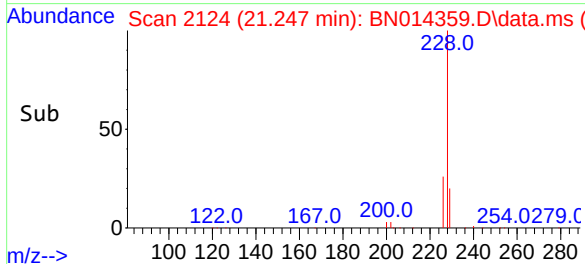
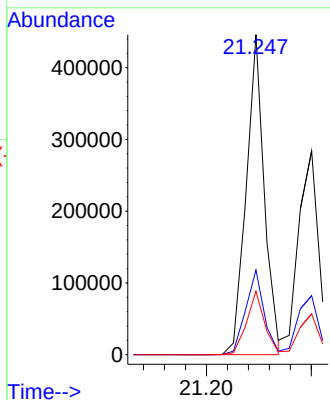
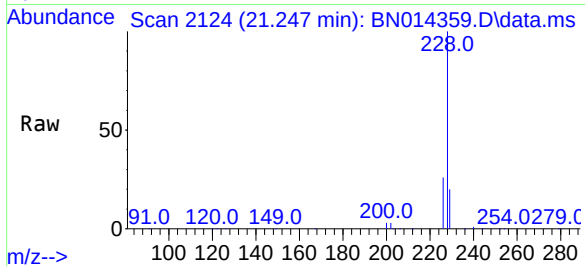
#32
Benzo(a)anthracene
Concen: 7.91 ng
RT: 21.247 min Scan# 2124
Delta R.T. -0.000 min
Lab File: BN014359.D
Acq: 21 Apr 2021 17:27

Tgt Ion:228 Resp: 534092
Ion Ratio Lower Upper
228 100
226 26.4 21.3 31.9
229 19.8 15.7 23.5

Instrument :
BNA_N
ClientSampleId :
38072-033121DL2

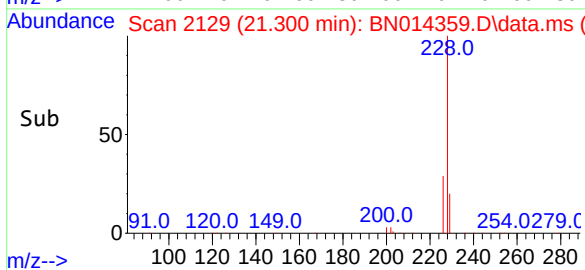
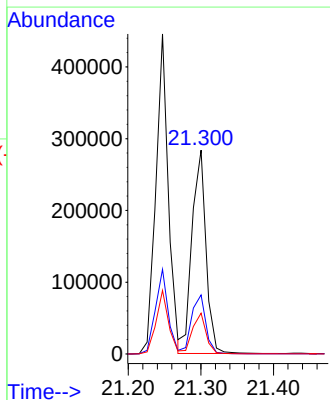
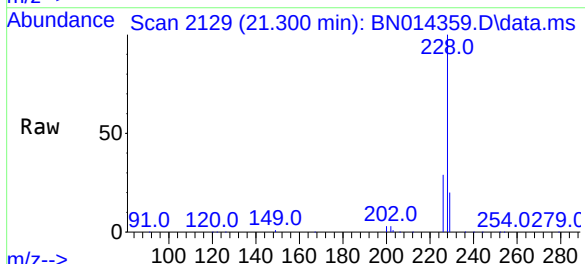
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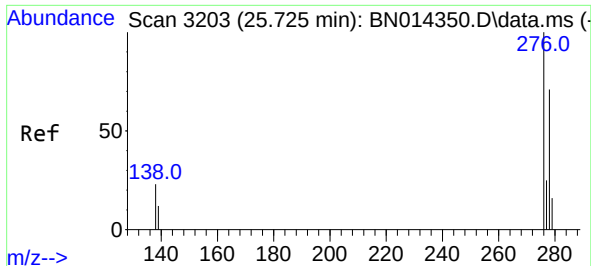
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#33
Chrysene
Concen: 4.80 ng
RT: 21.300 min Scan# 2129
Delta R.T. -0.000 min
Lab File: BN014359.D
Acq: 21 Apr 2021 17:27

Tgt Ion:228 Resp: 381755
Ion Ratio Lower Upper
228 100
226 28.9 23.1 34.7
229 20.0 15.7 23.5





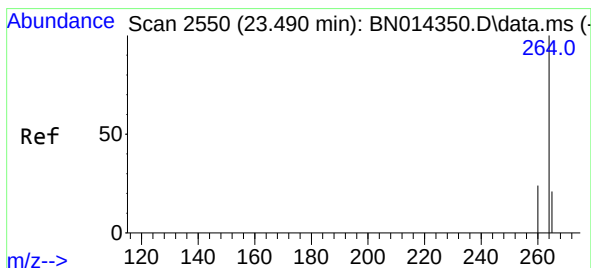
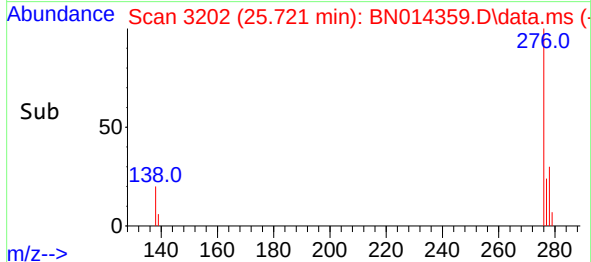
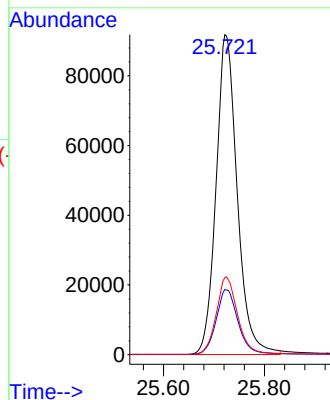
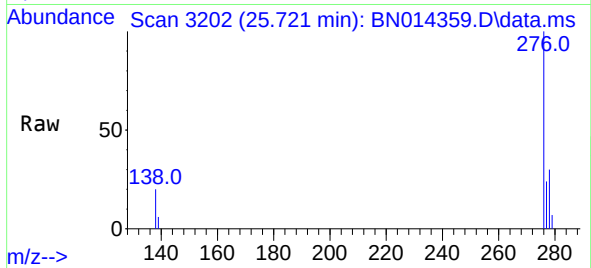
#35
Indeno(1,2,3-cd)pyrene
Concen: 3.01 ng
RT: 25.721 min Scan# 3202
Delta R.T. -0.004 min
Lab File: BN014359.D
Acq: 21 Apr 2021 17:27

Tgt Ion: 276 Resp: 266895
Ion Ratio Lower Upper
276 100
138 21.0 18.9 28.3
277 24.4 19.8 29.8

Instrument :
BNA_N
ClientSampleId :
38072-033121DL2

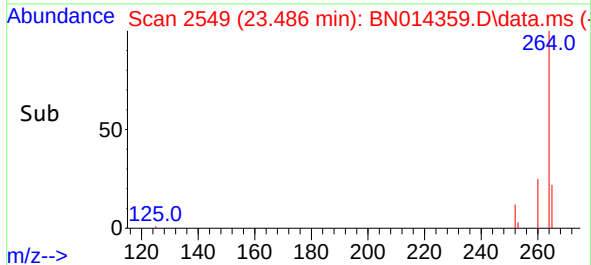
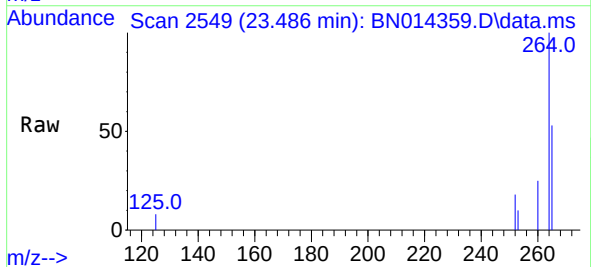
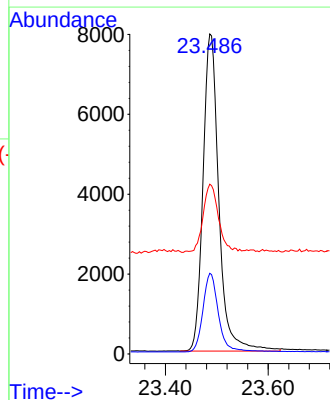
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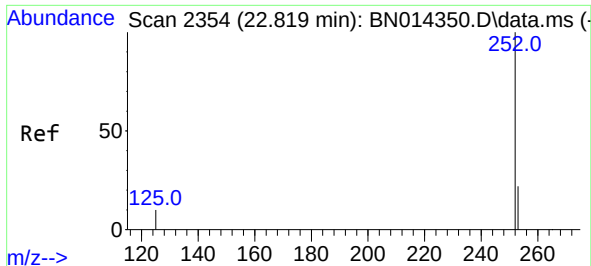
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#36
Perylene-d12
Concen: 0.40 ng
RT: 23.486 min Scan# 2549
Delta R.T. -0.004 min
Lab File: BN014359.D
Acq: 21 Apr 2021 17:27

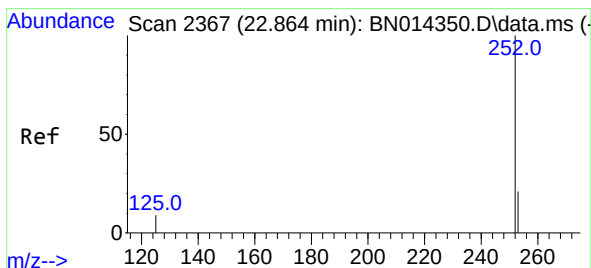
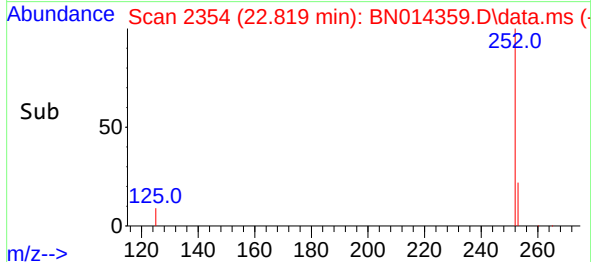
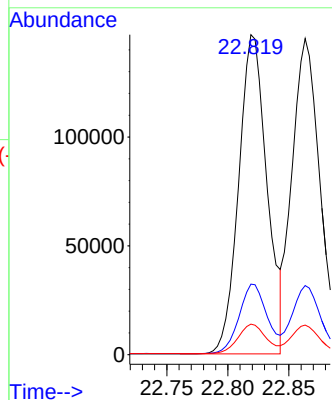
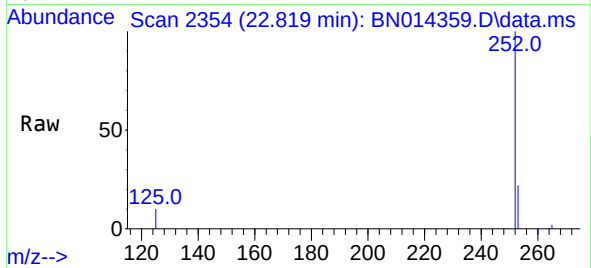
Tgt Ion: 264 Resp: 16940
Ion Ratio Lower Upper
264 100
260 25.2 19.8 29.6
265 53.1 34.4 51.6#





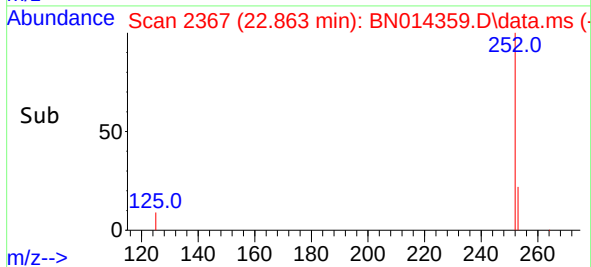
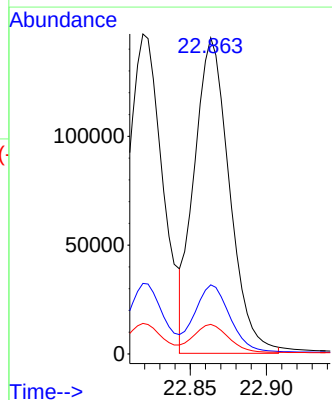
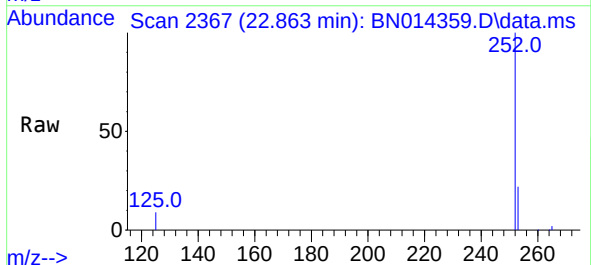
#37
Benzo(b)fluoranthene
Concen: 3.80 ng
RT: 22.819 min Scan# 2354
Delta R.T. -0.000 min
Lab File: BN014359.D
Acq: 21 Apr 2021 17:27

Tgt Ion:252 Resp: 236680
Ion Ratio Lower Upper
252 100
253 22.1 19.0 28.6
125 9.6 9.7 14.5#



#38
Benzo(k)fluoranthene
Concen: 3.68 ng m
RT: 22.863 min Scan# 2367
Delta R.T. -0.000 min
Lab File: BN014359.D
Acq: 21 Apr 2021 17:27

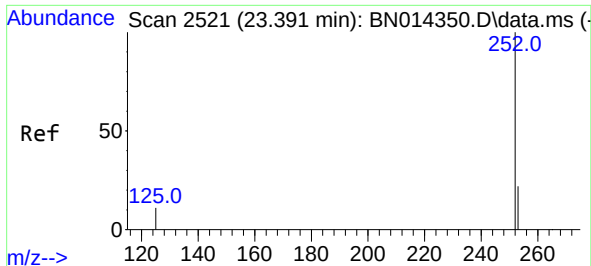
Tgt Ion:252 Resp: 233155
Ion Ratio Lower Upper
252 100
253 21.9 19.3 28.9
125 9.4 9.4 14.2#



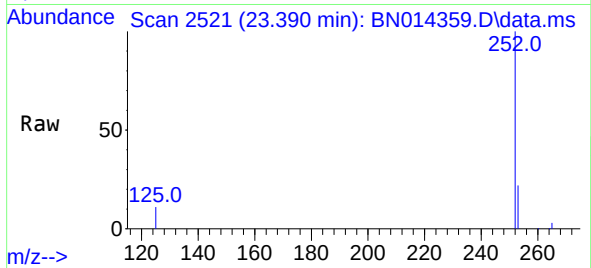
Instrument :
BNA_N
ClientSampleId :
38072-033121DL2

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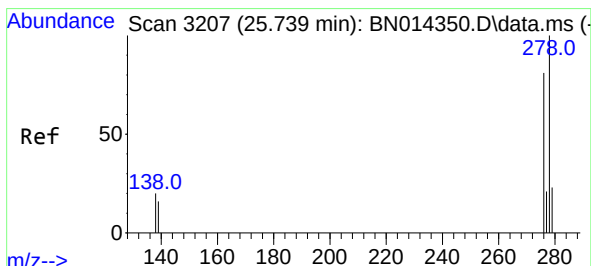
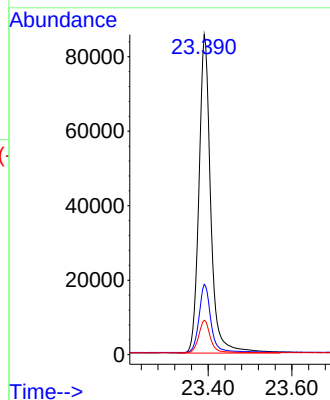
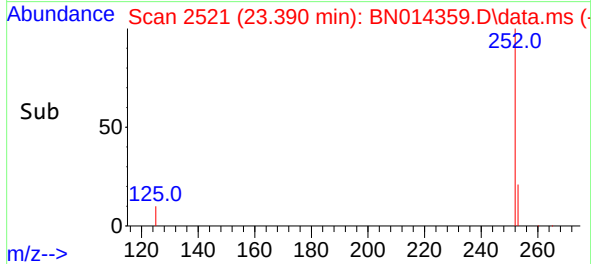
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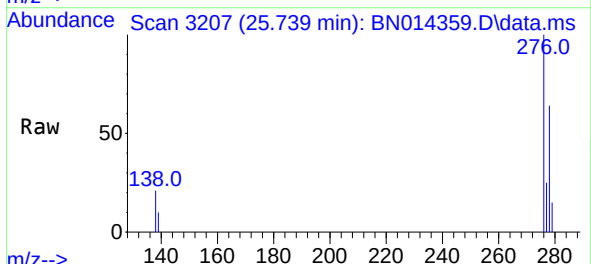
#39
Benzo(a)pyrene
Concen: 3.17 ng
RT: 23.390 min Scan# 2521
Delta R.T. -0.000 min
Lab File: BN014359.D
Acq: 21 Apr 2021 17:27



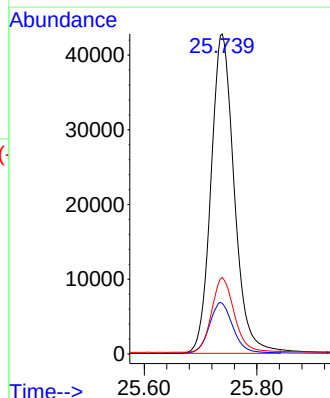
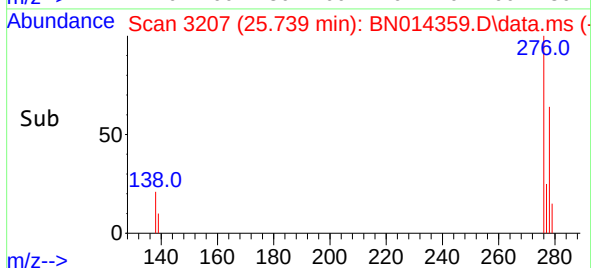
Tgt Ion:252 Resp: 167669
Ion Ratio Lower Upper
252 100
253 22.0 20.7 31.1
125 10.8 11.8 17.6#



#40
Dibenzo(a,h)anthracene
Concen: 2.09 ng
RT: 25.739 min Scan# 3207
Delta R.T. -0.000 min
Lab File: BN014359.D
Acq: 21 Apr 2021 17:27



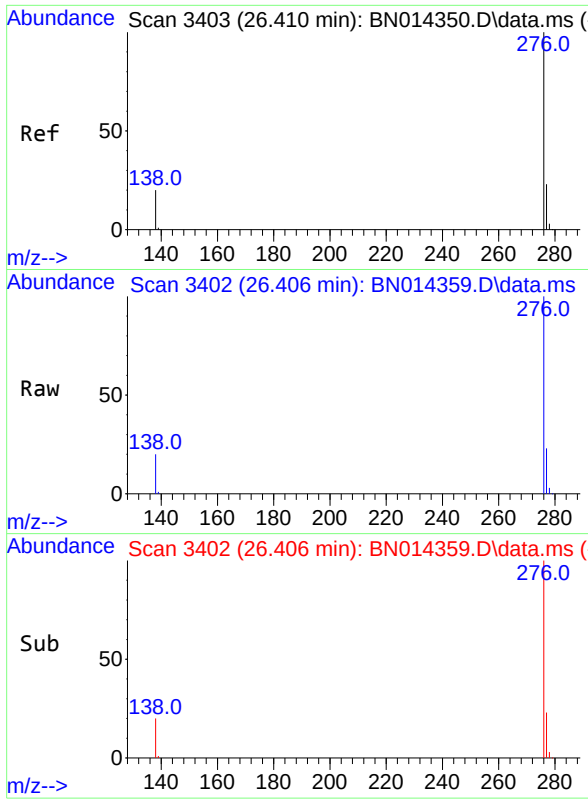
Tgt Ion:278 Resp: 122354
Ion Ratio Lower Upper
278 100
139 15.8 13.3 19.9
279 23.9 20.2 30.2



Instrument :
BNA_N
ClientSampleId :
38072-033121DL2

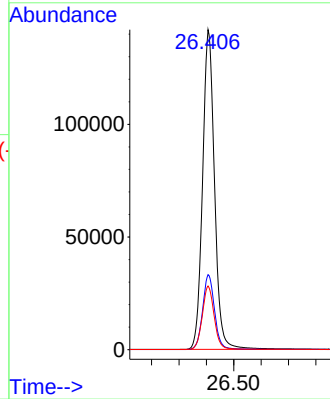
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#41
Benzo(g,h,i)perylene
Concen: 6.95 ng
RT: 26.406 min Scan# 3402
Delta R.T. -0.004 min
Lab File: BN014359.D
Acq: 21 Apr 2021 17:27

Tgt Ion:	276	Resp:	430857
Ion Ratio	Lower	Upper	
276	100		
277	23.5	19.1	28.7
138	19.9	16.7	25.1



Instrument :
BNA_N
ClientSampleId :
38072-033121DL2

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