

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN042221\
 Data File : BN014357.D
 Acq On : 21 Apr 2021 16:07
 Operator : CG/JU
 Sample : M2108-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 38072-033121

Quant Time: Apr 21 16:38:18 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

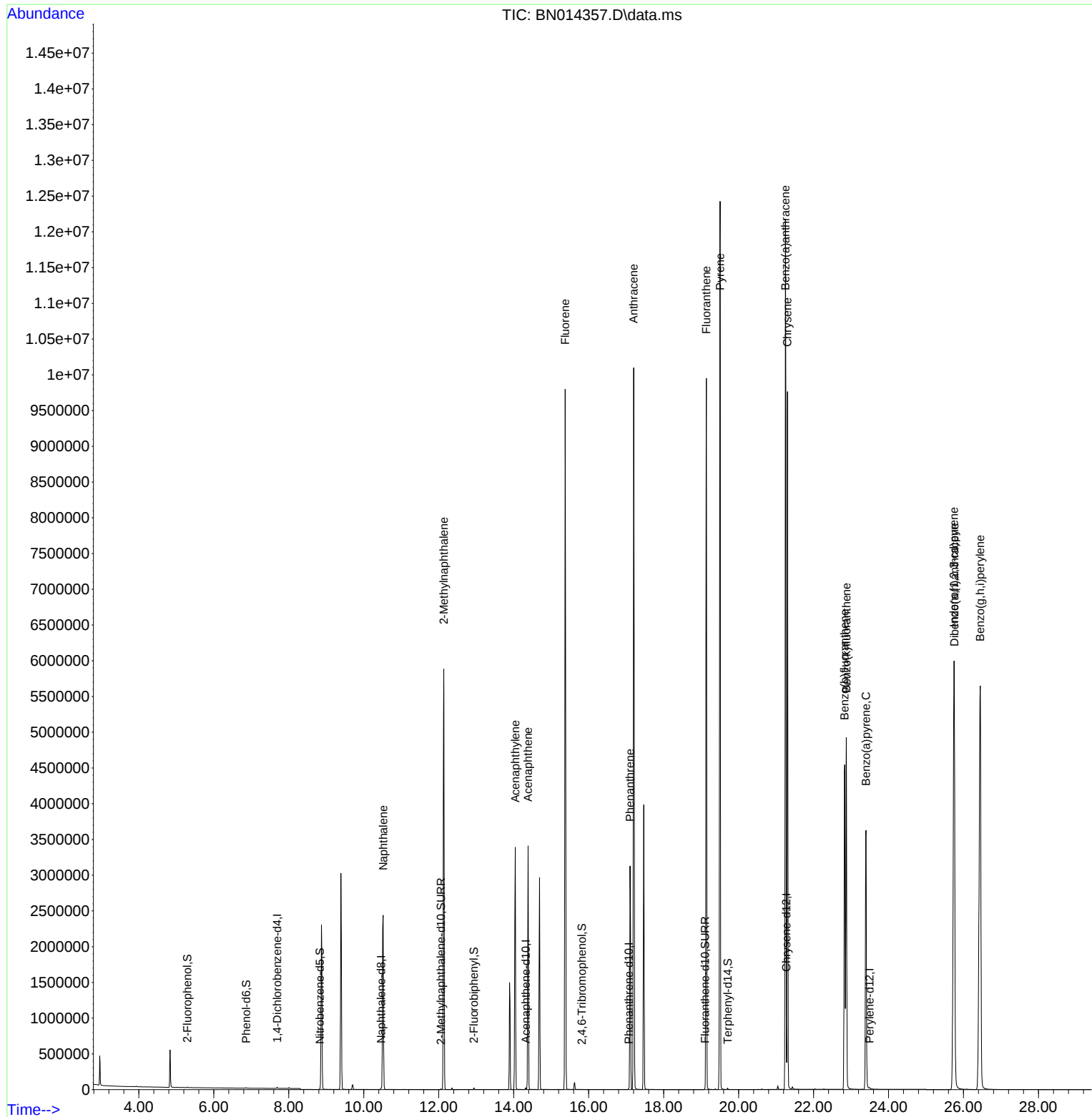
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.692	152	6642	0.40	ng	0.00
7) Naphthalene-d8	10.467	136	24506	0.40	ng	0.00
13) Acenaphthene-d10	14.321	164	11970	0.40	ng	0.00
19) Phenanthrene-d10	17.068	188	22117	0.40	ng	0.00
29) Chrysene-d12	21.271	240	24959	0.40	ng	# 0.01
36) Perylene-d12	23.493	264	20546	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.292	112	5162	0.38	ng	0.00
5) Phenol-d6	6.863	99	6053	0.36	ng	0.00
8) Nitrobenzene-d5	8.832	82	7898	0.38	ng	0.00
11) 2-Methylnaphthalene-d10	12.058	152	12080	0.33	ng	0.00
14) 2,4,6-Tribromophenol	15.818	330	1133	0.29	ng	0.00
15) 2-Fluorobiphenyl	12.938	172	17873	0.38	ng	0.00
27) Fluoranthene-d10	19.104	212	19964	0.34	ng	0.00
31) Terphenyl-d14	19.710	244	19187	0.36	ng	0.00
Target Compounds						
9) Naphthalene	10.518	128	3455304	56.77	ng	99
12) 2-Methylnaphthalene	12.133	142	4158275	104.69	ng	99
16) Acenaphthylene	14.042	152	3758423	73.98	ng	99
17) Acenaphthene	14.384	154	1613825	48.09	ng	97
18) Fluorene	15.374	166	6430564	155.47	ng	96
25) Phenanthrene	17.104	178	3309369	53.27	ng	99
26) Anthracene	17.202	178	10538319	216.54	ng	97
28) Fluoranthene	19.139	202	9019813	136.10	ng	96
30) Pyrene	19.506	202	11585943	155.79	ng	96
32) Benzo(a)anthracene	21.250	228	11255571	170.55	ng	93
33) Chrysene	21.303	228	7526868	96.78	ng	95
35) Indeno(1,2,3-cd)pyrene	25.745	276	8148124	94.08	ng	98
37) Benzo(b)fluoranthene	22.829	252	5920672	78.29	ng	# 97
38) Benzo(k)fluoranthene	22.873	252	6054700	78.78	ng	97
39) Benzo(a)pyrene	23.397	252	5069899	79.12	ng	# 92
40) Dibenzo(a,h)anthracene	25.755	278	3861503	54.32	ng	98
41) Benzo(g,h,i)perylene	26.447	276	12397189	164.96	ng	98

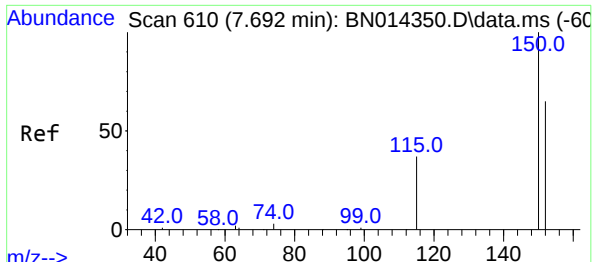
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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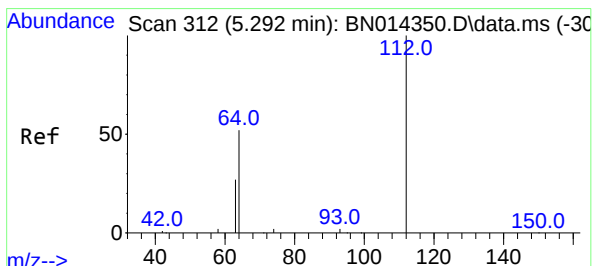
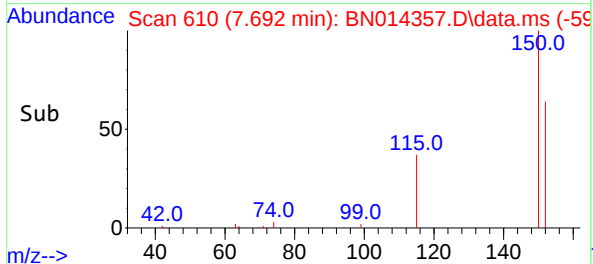
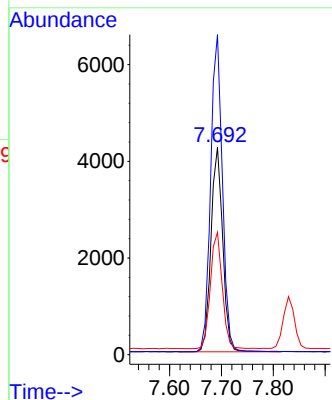
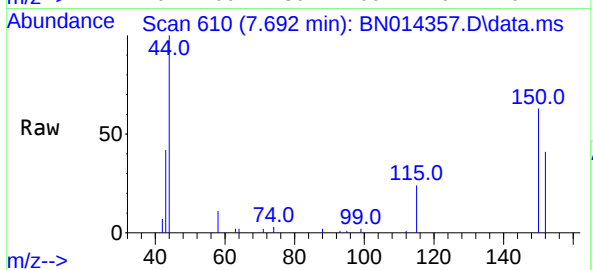




#1
1,4-Dichlorobenzene-d4
Concen: 0.40 ng
RT: 7.692 min Scan# 610
Delta R.T. 0.000 min
Lab File: BN014357.D
Acq: 21 Apr 2021 16:07

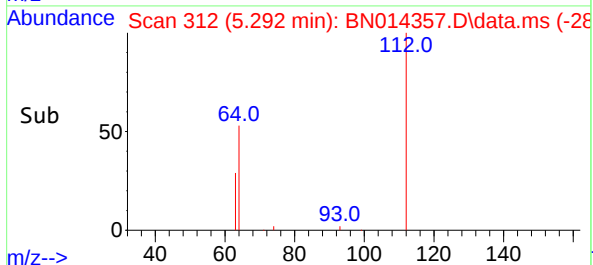
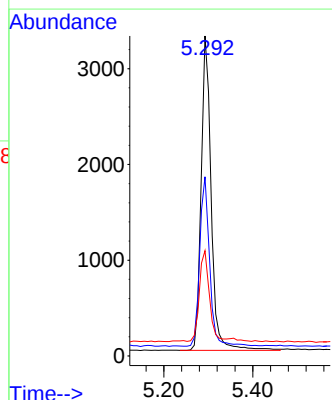
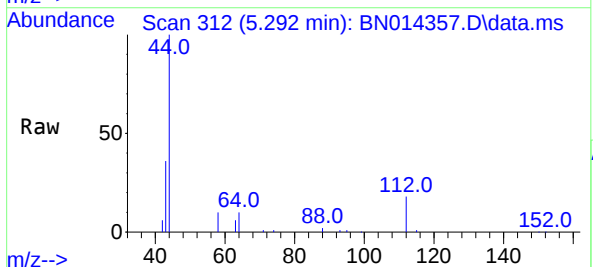
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BNA_N
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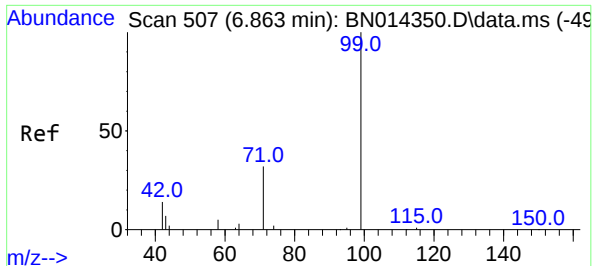
Tgt Ion:152 Resp: 6642
Ion Ratio Lower Upper
152 100
150 154.3 123.4 185.2
115 59.0 47.5 71.3



#4
2-Fluorophenol
Concen: 0.38 ng
RT: 5.292 min Scan# 312
Delta R.T. 0.000 min
Lab File: BN014357.D
Acq: 21 Apr 2021 16:07

Tgt Ion:112 Resp: 5162
Ion Ratio Lower Upper
112 100
64 53.4 43.0 64.6
63 28.7 23.4 35.0



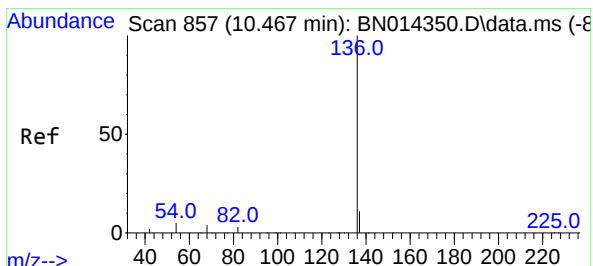
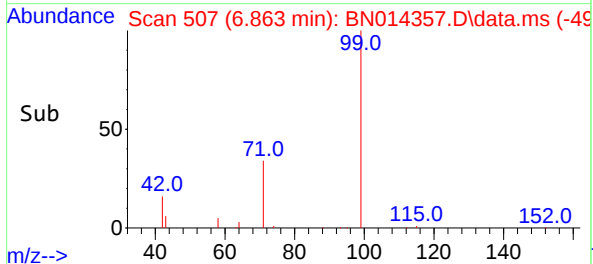
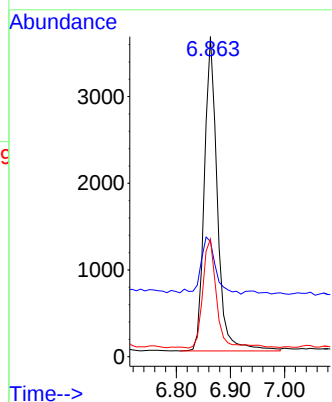
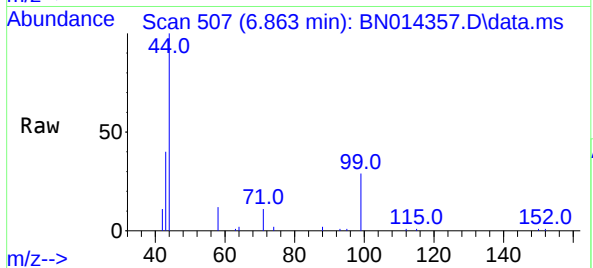


#5
Phenol-d6
Concen: 0.36 ng
RT: 6.863 min Scan# 507
Delta R.T. 0.000 min
Lab File: BN014357.D
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Instrument :
BNA_N
ClientSampleId :
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Tgt Ion: 99 Resp: 6053

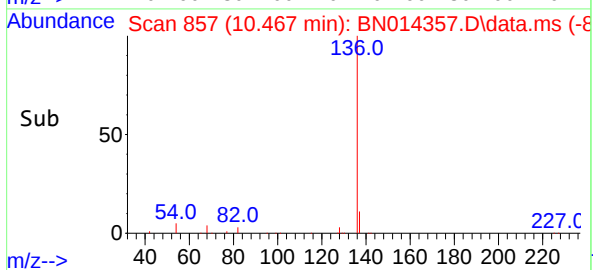
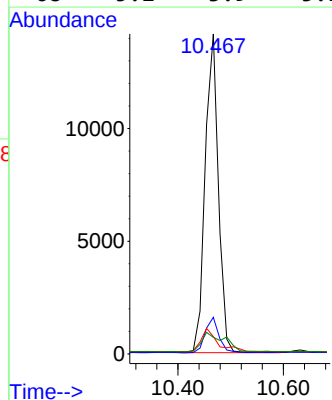
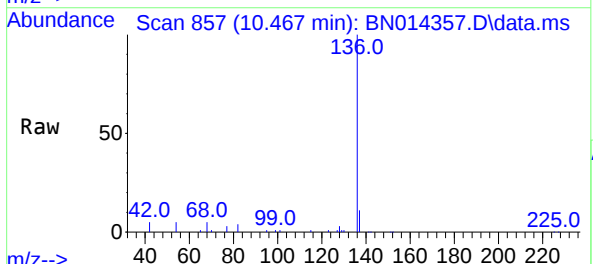
Ion	Ratio	Lower	Upper
99	100		
42	20.6	16.0	24.0
71	37.1	27.8	41.8

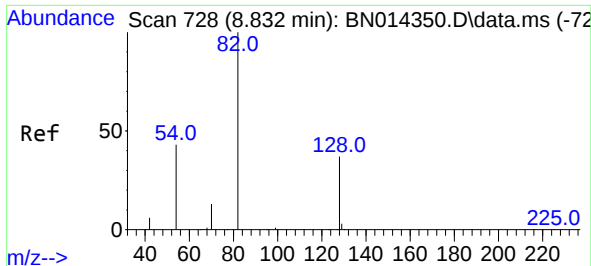


#7
Naphthalene-d8
Concen: 0.40 ng
RT: 10.467 min Scan# 857
Delta R.T. 0.000 min
Lab File: BN014357.D
Acq: 21 Apr 2021 16:07

Tgt Ion: 136 Resp: 24506

Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.0	13.6
54	5.5	4.4	6.6
68	5.2	3.9	5.9

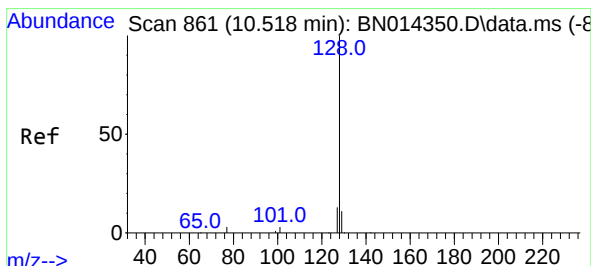
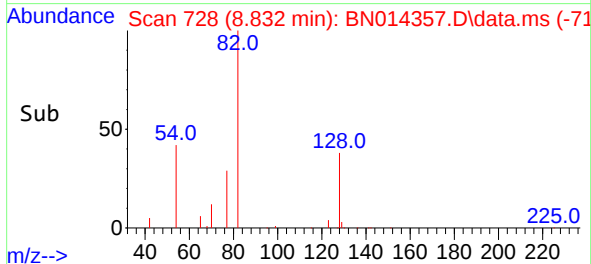
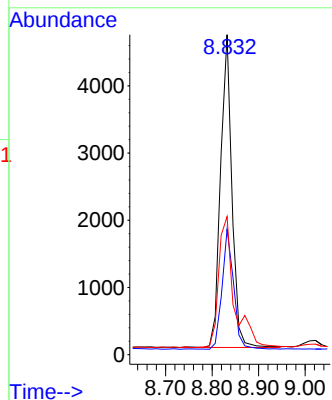
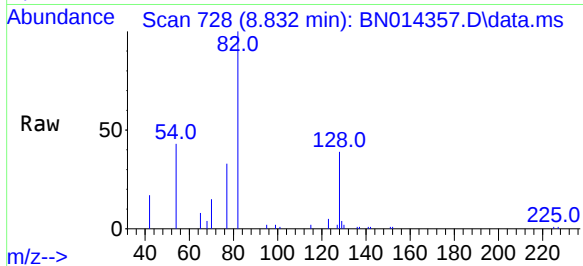




#8
Nitrobenzene-d5
Concen: 0.38 ng
RT: 8.832 min Scan# 728
Delta R.T. 0.000 min
Lab File: BN014357.D
Acq: 21 Apr 2021 16:07

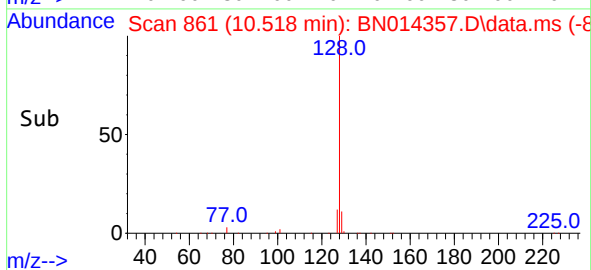
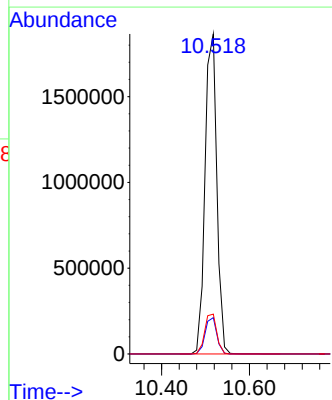
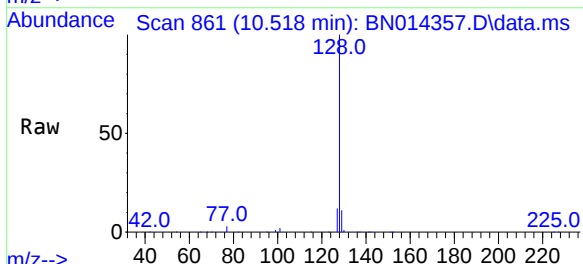
Instrument :
BNA_N
ClientSampleId :
38072-033121

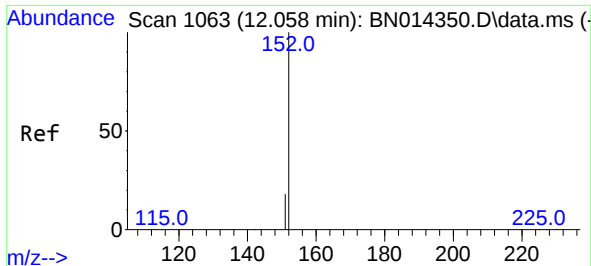
Tgt Ion: 82 Resp: 7898
Ion Ratio Lower Upper
82 100
128 39.2 30.3 45.5
54 43.2 35.8 53.8



#9
Naphthalene
Concen: 56.77 ng
RT: 10.518 min Scan# 861
Delta R.T. 0.000 min
Lab File: BN014357.D
Acq: 21 Apr 2021 16:07

Tgt Ion: 128 Resp: 3455304
Ion Ratio Lower Upper
128 100
129 11.4 9.0 13.6
127 12.5 10.3 15.5

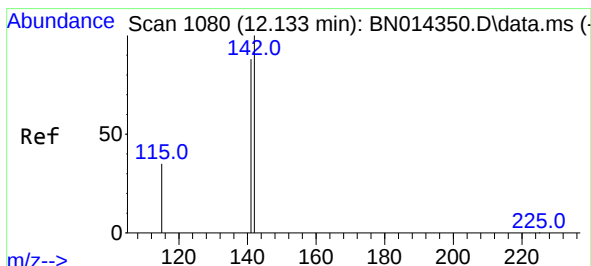
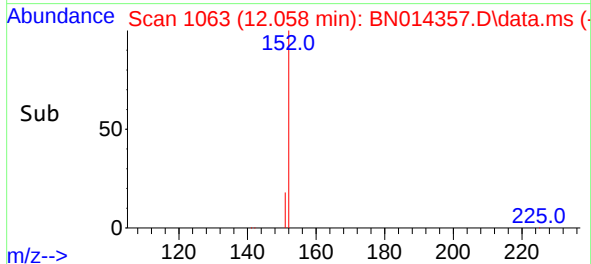
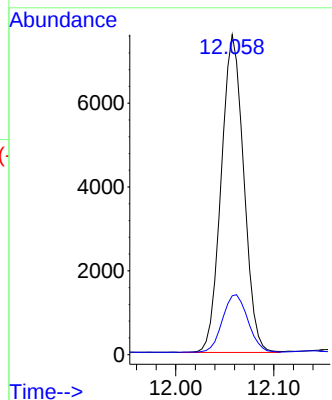
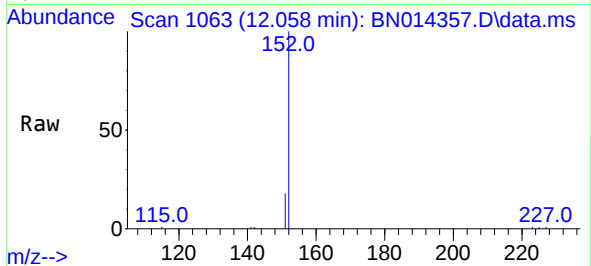




#11
2-Methylnaphthalene-d10
Concen: 0.33 ng
RT: 12.058 min Scan# 1063
Delta R.T. 0.000 min
Lab File: BN014357.D
Acq: 21 Apr 2021 16:07

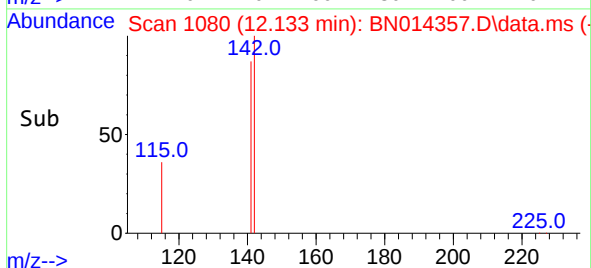
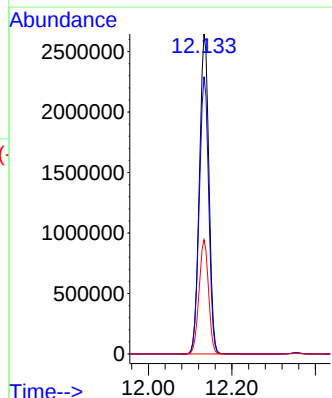
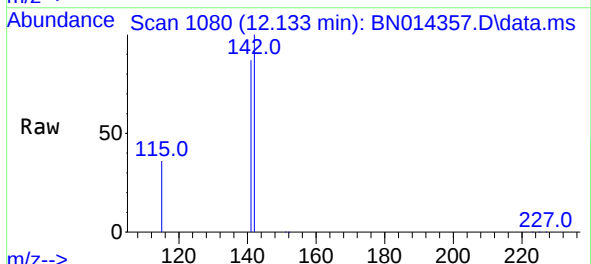
Instrument :
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ClientSampleId :
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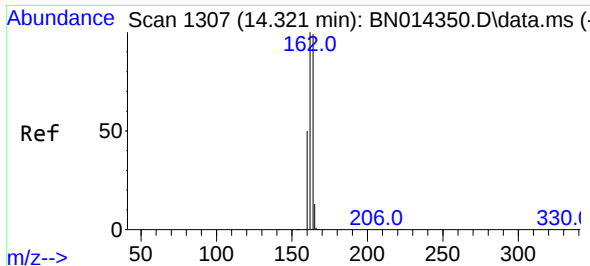
Tgt Ion:152 Resp: 12080
Ion Ratio Lower Upper
152 100
151 20.5 16.3 24.5



#12
2-Methylnaphthalene
Concen: 104.69 ng
RT: 12.133 min Scan# 1080
Delta R.T. 0.000 min
Lab File: BN014357.D
Acq: 21 Apr 2021 16:07

Tgt Ion:142 Resp: 4158275
Ion Ratio Lower Upper
142 100
141 86.6 70.6 105.8
115 35.7 29.0 43.6

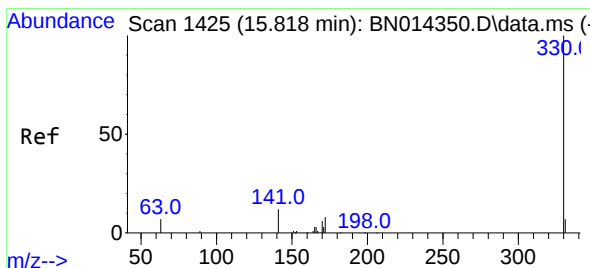
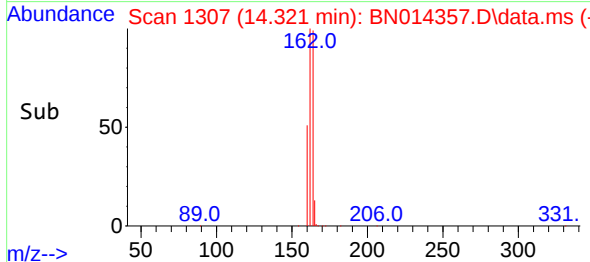
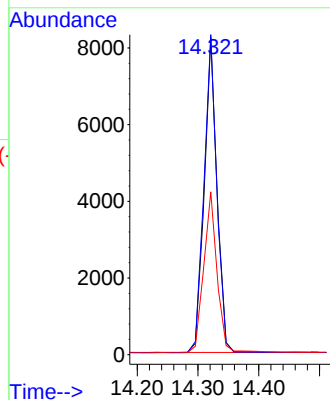
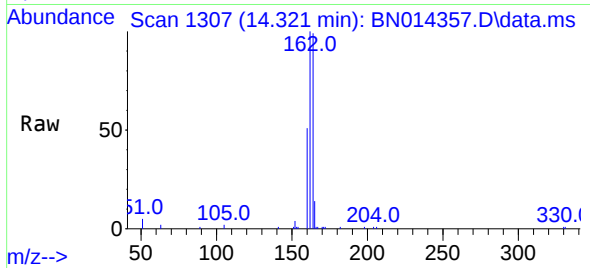




#13
Acenaphthene-d10
Concen: 0.40 ng
RT: 14.321 min Scan# 1307
Delta R.T. 0.000 min
Lab File: BN014357.D
Acq: 21 Apr 2021 16:07

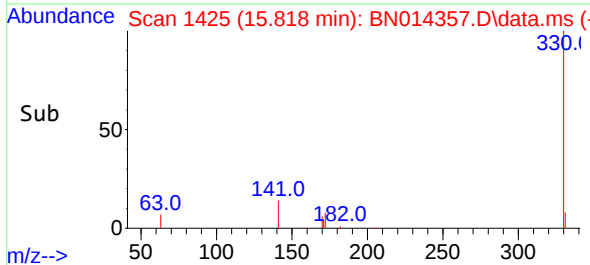
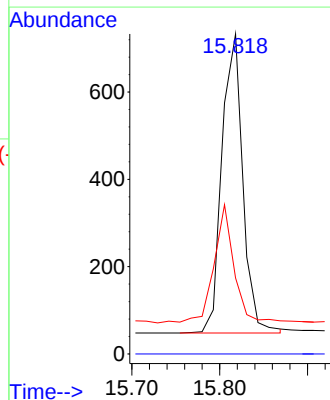
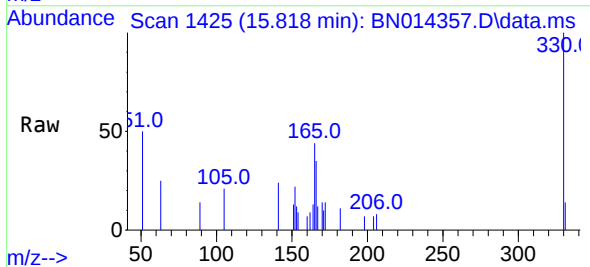
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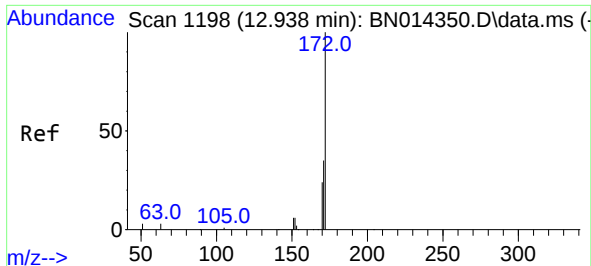
Tgt Ion:164 Resp: 11970
Ion Ratio Lower Upper
164 100
162 100.9 81.0 121.6
160 51.4 40.7 61.1



#14
2,4,6-Tribromophenol
Concen: 0.29 ng
RT: 15.818 min Scan# 1425
Delta R.T. 0.000 min
Lab File: BN014357.D
Acq: 21 Apr 2021 16:07

Tgt Ion:330 Resp: 1133
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 36.6 26.2 39.2

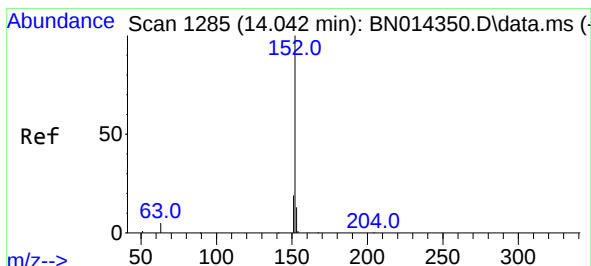
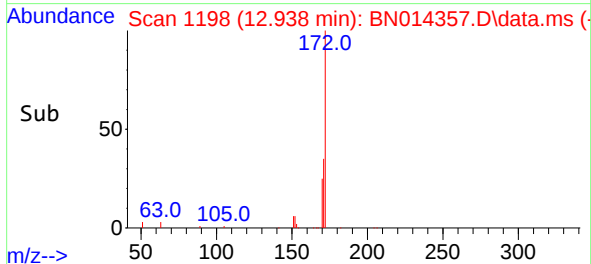
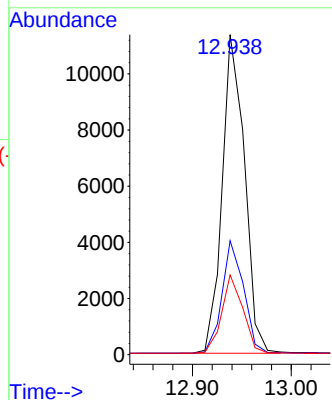
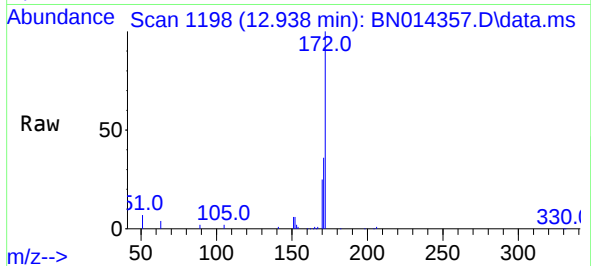




#15
2-Fluorobiphenyl
Concen: 0.38 ng
RT: 12.938 min Scan# 1198
Delta R.T. 0.000 min
Lab File: BN014357.D
Acq: 21 Apr 2021 16:07

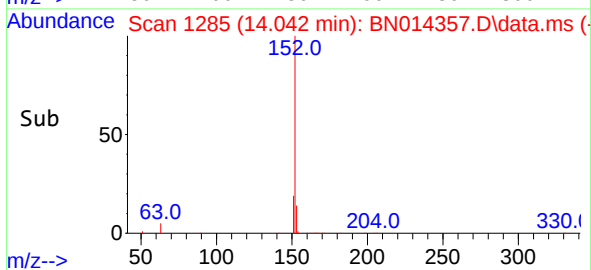
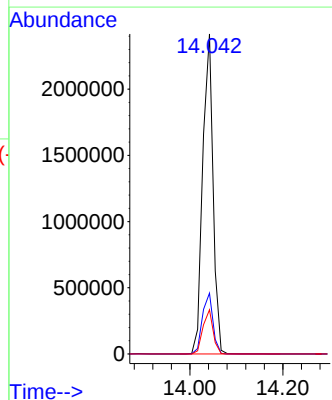
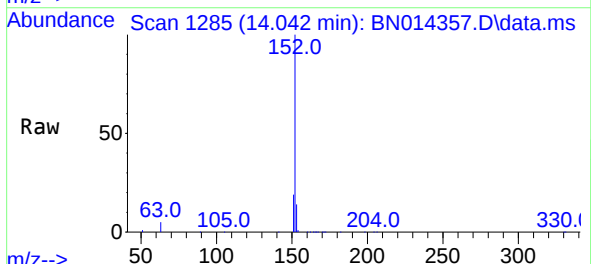
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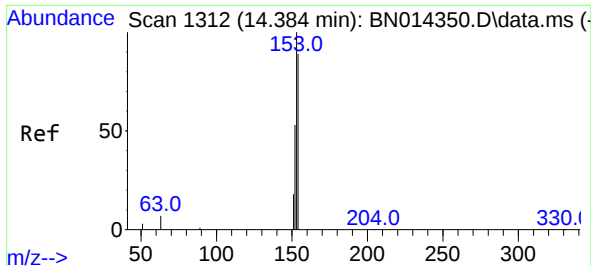
Tgt Ion:	172	Resp:	17873
Ion	Ratio	Lower	Upper
172	100		
171	35.6	28.2	42.2
170	24.9	19.6	29.4



#16
Acenaphthylene
Concen: 73.98 ng
RT: 14.042 min Scan# 1285
Delta R.T. 0.000 min
Lab File: BN014357.D
Acq: 21 Apr 2021 16:07

Tgt Ion:	152	Resp:	3758423
Ion	Ratio	Lower	Upper
152	100		
151	19.4	15.6	23.4
153	13.6	10.5	15.7

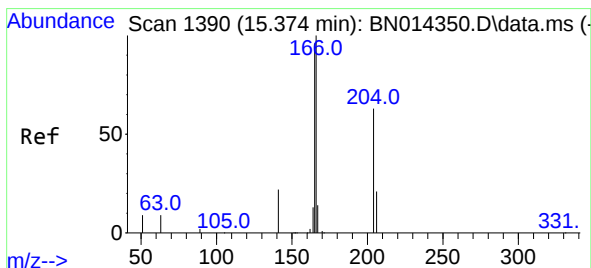
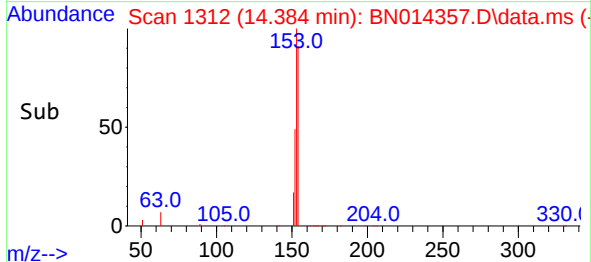
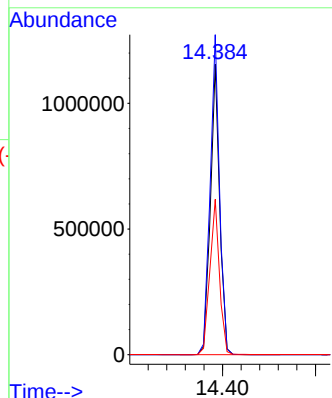
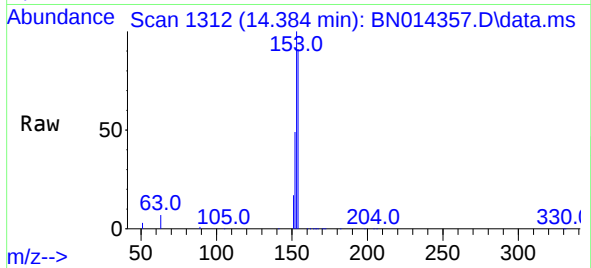




#17
Acenaphthene
Concen: 48.09 ng
RT: 14.384 min Scan# 1312
Delta R.T. 0.000 min
Lab File: BN014357.D
Acq: 21 Apr 2021 16:07

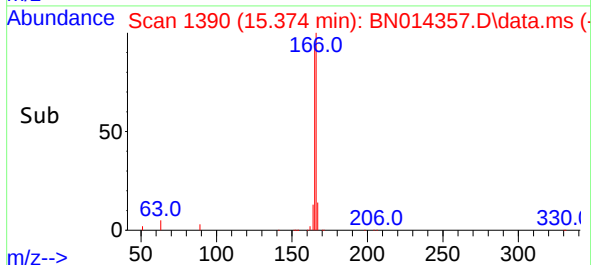
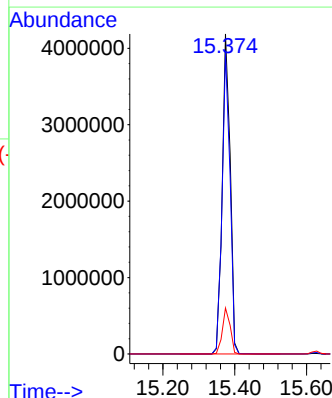
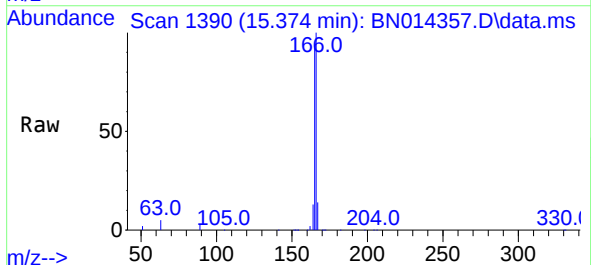
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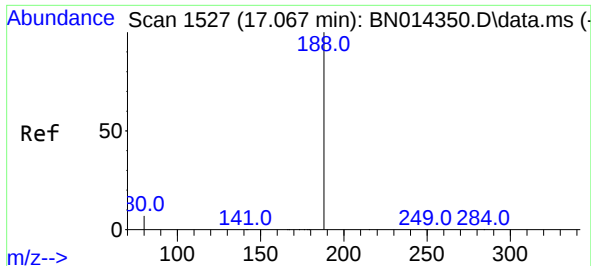
Tgt Ion:154 Resp: 1613825
Ion Ratio Lower Upper
154 100
153 111.6 89.2 133.8
152 55.5 49.0 73.4



#18
Fluorene
Concen: 155.47 ng
RT: 15.374 min Scan# 1390
Delta R.T. 0.000 min
Lab File: BN014357.D
Acq: 21 Apr 2021 16:07

Tgt Ion:166 Resp: 6430564
Ion Ratio Lower Upper
166 100
165 93.8 78.6 118.0
167 14.1 10.9 16.3

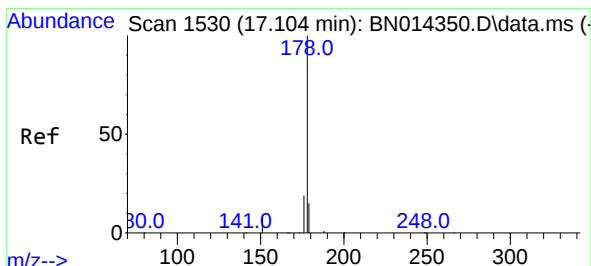
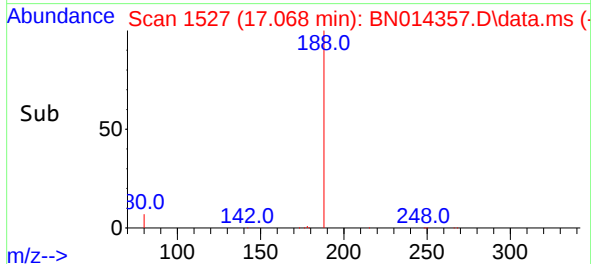
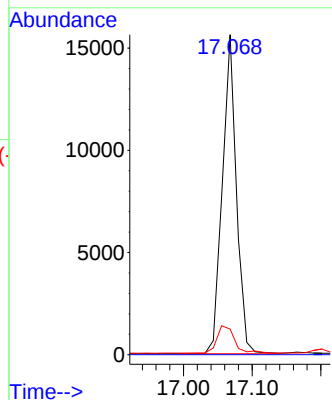
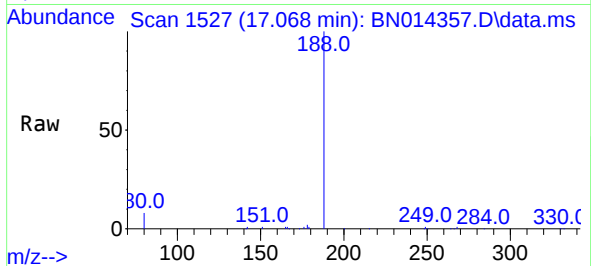




#19
Phenanthrene-d10
Concen: 0.40 ng
RT: 17.068 min Scan# 1527
Delta R.T. 0.001 min
Lab File: BN014357.D
Acq: 21 Apr 2021 16:07

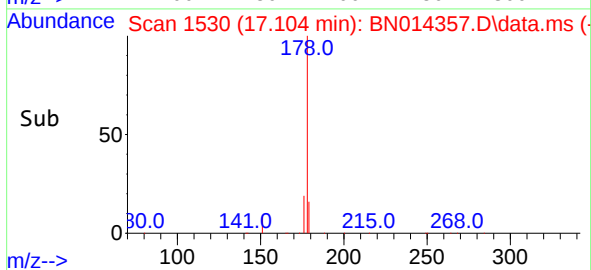
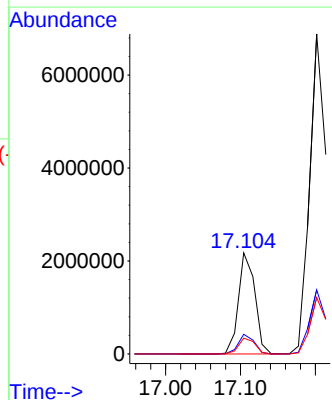
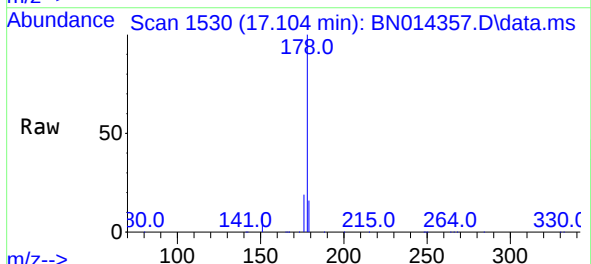
Instrument :
BNA_N
ClientSampleId :
38072-033121

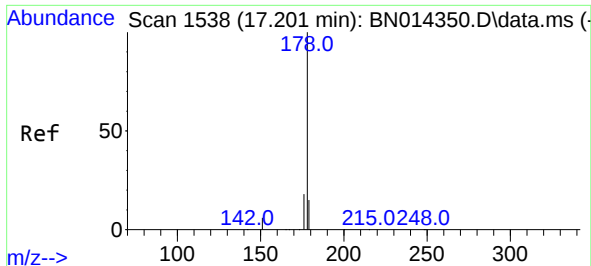
Tgt Ion:188 Resp: 22117
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 8.0 6.2 9.4



#25
Phenanthrene
Concen: 53.27 ng
RT: 17.104 min Scan# 1530
Delta R.T. 0.001 min
Lab File: BN014357.D
Acq: 21 Apr 2021 16:07

Tgt Ion:178 Resp: 3309369
Ion Ratio Lower Upper
178 100
176 18.9 15.2 22.8
179 15.8 12.2 18.4



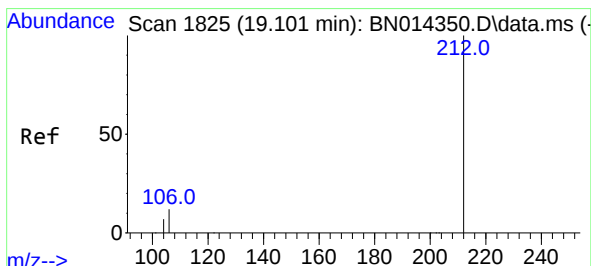
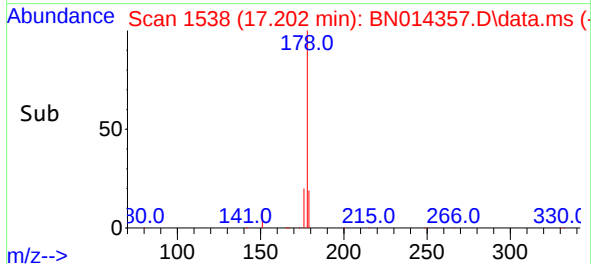
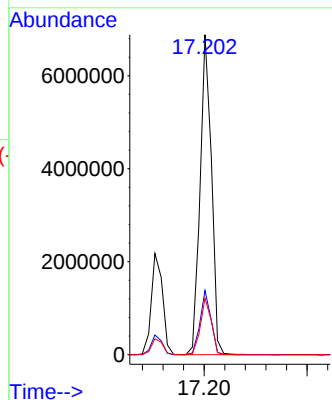
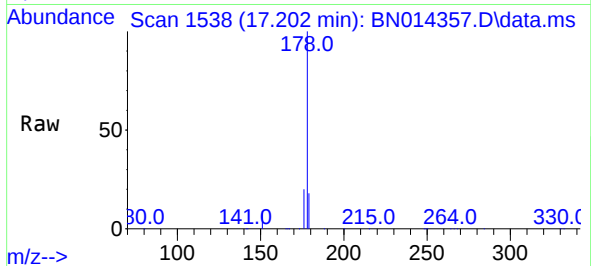


#26
 Anthracene
 Concen: 216.54 ng
 RT: 17.202 min Scan# 1538
 Delta R.T. 0.001 min
 Lab File: BN014357.D
 Acq: 21 Apr 2021 16:07

Instrument :
 BNA_N
 ClientSampleId :
 38072-033121

Tgt Ion:178 Resp:10538319

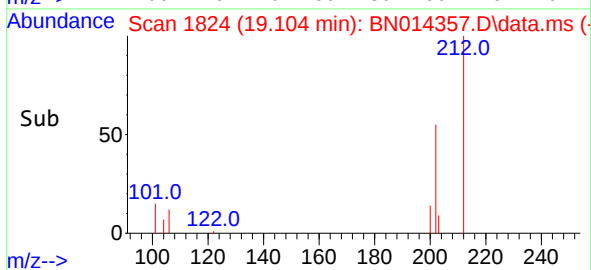
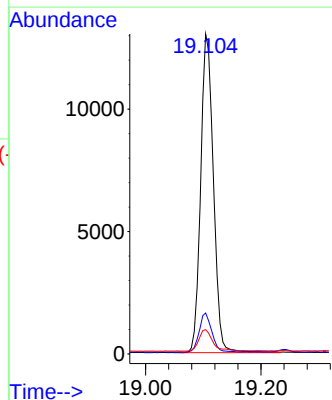
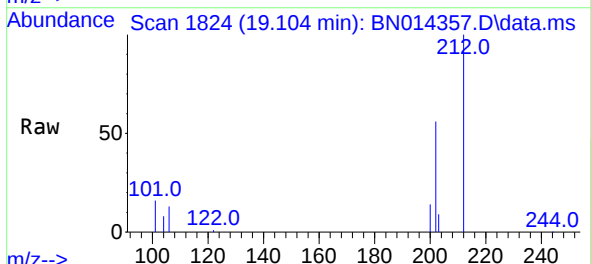
Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.0	22.4
179	17.1	12.2	18.2

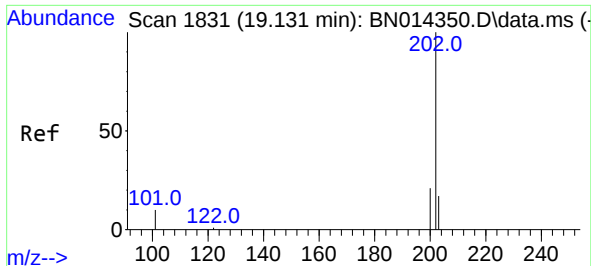


#27
 Fluoranthene-d10
 Concen: 0.34 ng
 RT: 19.104 min Scan# 1824
 Delta R.T. 0.003 min
 Lab File: BN014357.D
 Acq: 21 Apr 2021 16:07

Tgt Ion:212 Resp: 19964

Ion	Ratio	Lower	Upper
212	100		
106	12.1	9.7	14.5
104	7.1	5.4	8.0

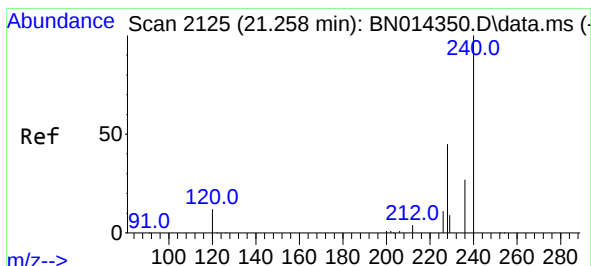
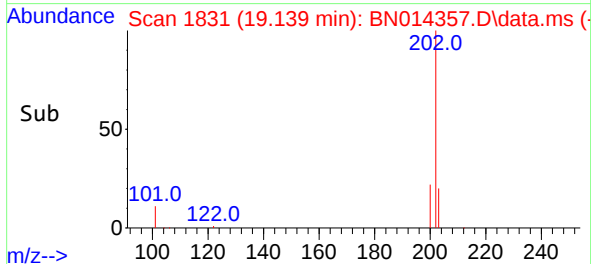
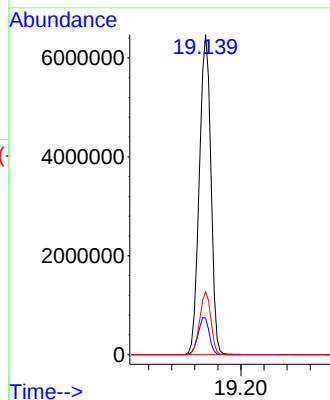
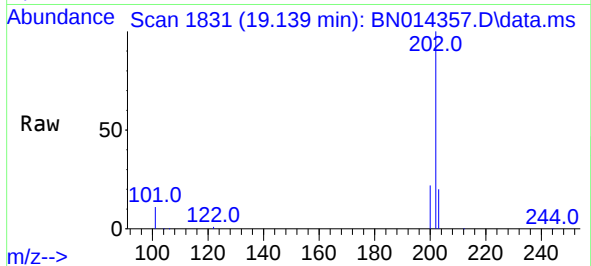




#28
Fluoranthene
Concen: 136.10 ng
RT: 19.139 min Scan# 1831
Delta R.T. 0.008 min
Lab File: BN014357.D
Acq: 21 Apr 2021 16:07

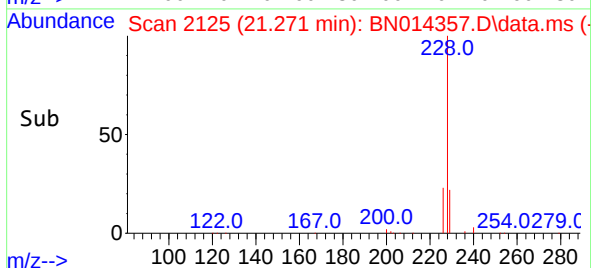
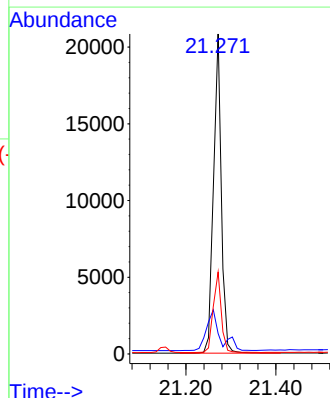
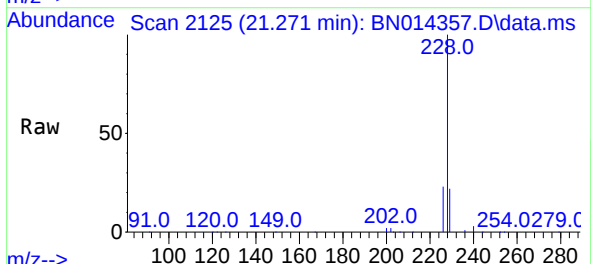
Instrument :
BNA_N
ClientSampleId :
38072-033121

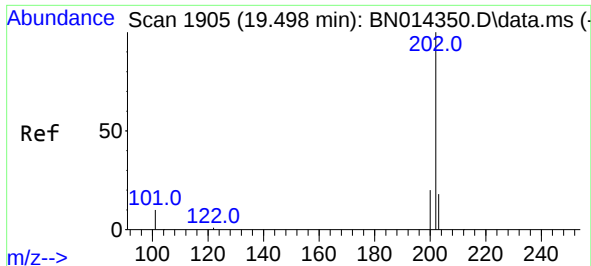
Tgt Ion:202 Resp: 9019813
Ion Ratio Lower Upper
202 100
101 11.3 8.2 12.4
203 19.0 13.8 20.6



#29
Chrysene-d12
Concen: 0.40 ng
RT: 21.271 min Scan# 2125
Delta R.T. 0.013 min
Lab File: BN014357.D
Acq: 21 Apr 2021 16:07

Tgt Ion:240 Resp: 24959
Ion Ratio Lower Upper
240 100
120 6.4 10.7 16.1#
236 25.6 21.5 32.3

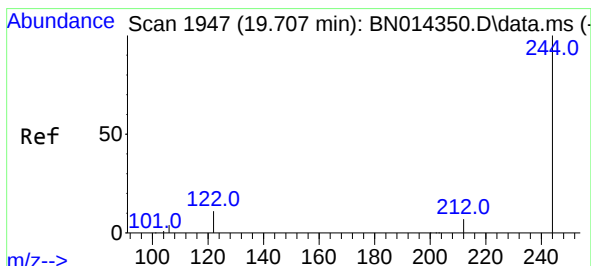
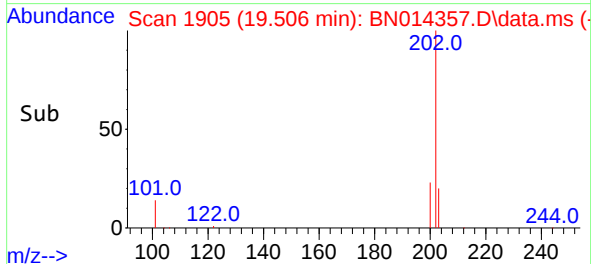
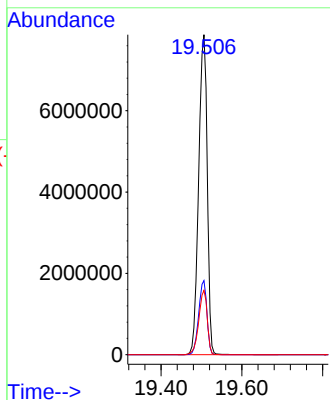
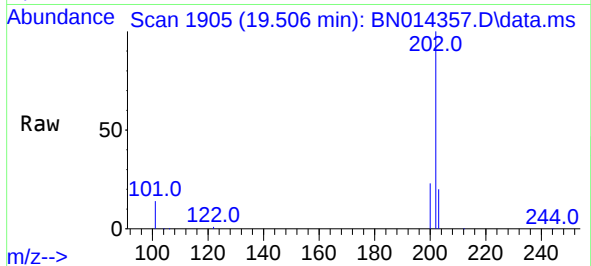




#30
Pyrene
Concen: 155.79 ng
RT: 19.506 min Scan# 1905
Delta R.T. 0.008 min
Lab File: BN014357.D
Acq: 21 Apr 2021 16:07

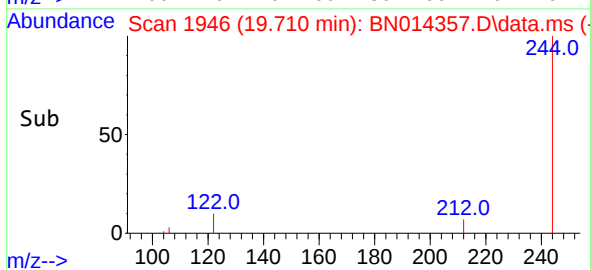
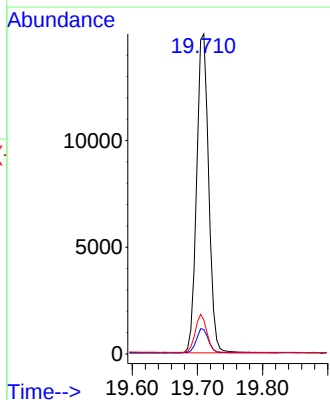
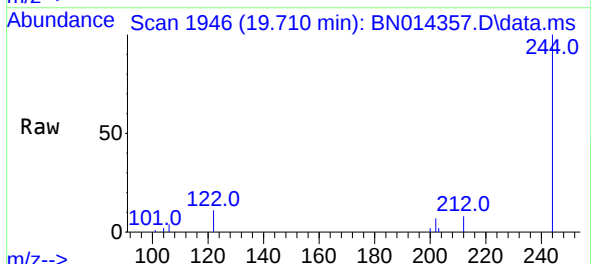
Instrument :
BNA_N
ClientSampleId :
38072-033121

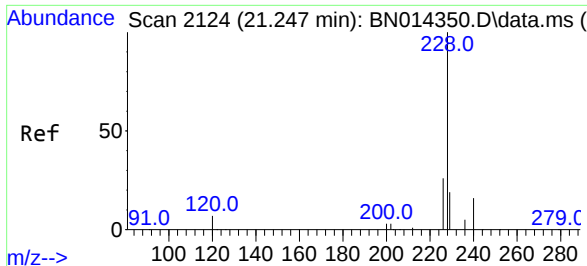
Tgt Ion:202 Resp:11585943
Ion Ratio Lower Upper
202 100
200 22.2 16.6 24.8
203 19.9 14.1 21.1



#31
Terphenyl-d14
Concen: 0.36 ng
RT: 19.710 min Scan# 1946
Delta R.T. 0.003 min
Lab File: BN014357.D
Acq: 21 Apr 2021 16:07

Tgt Ion:244 Resp: 19187
Ion Ratio Lower Upper
244 100
212 7.7 6.2 9.4
122 10.7 9.3 13.9

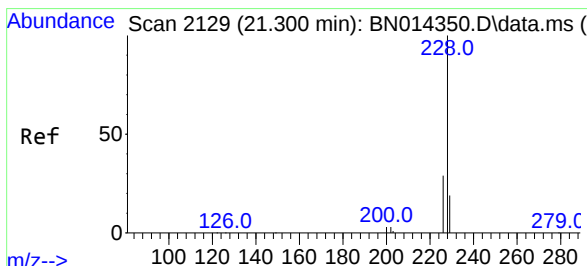
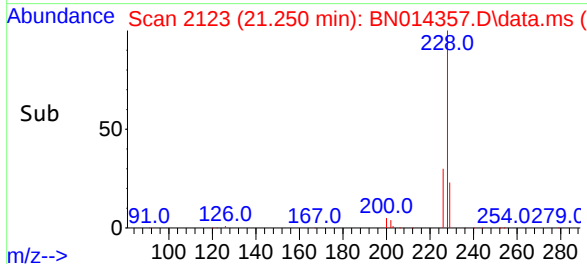
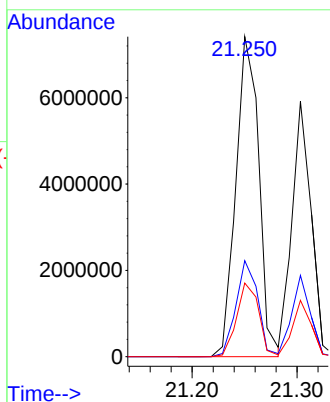
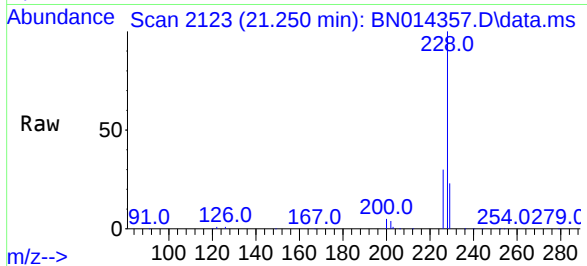




#32
Benzo(a)anthracene
Concen: 170.55 ng
RT: 21.250 min Scan# 2123
Delta R.T. 0.003 min
Lab File: BN014357.D
Acq: 21 Apr 2021 16:07

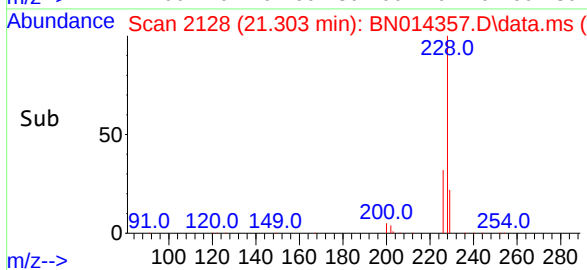
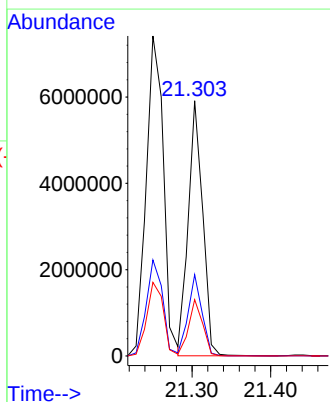
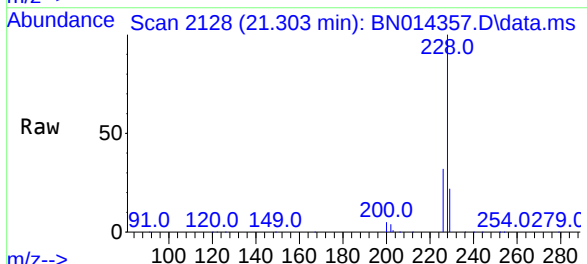
Instrument :
BNA_N
ClientSampleId :
38072-033121

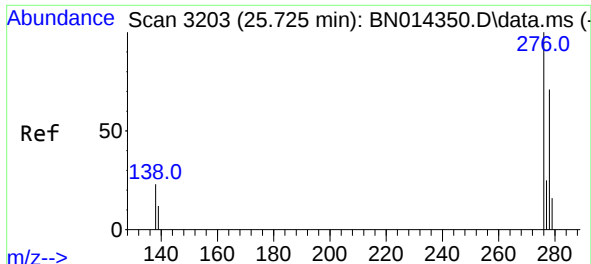
Tgt Ion:228 Resp:11255571
Ion Ratio Lower Upper
228 100
226 30.0 21.3 31.9
229 23.0 15.7 23.5



#33
Chrysene
Concen: 96.78 ng
RT: 21.303 min Scan# 2128
Delta R.T. 0.003 min
Lab File: BN014357.D
Acq: 21 Apr 2021 16:07

Tgt Ion:228 Resp: 7526868
Ion Ratio Lower Upper
228 100
226 31.8 23.1 34.7
229 22.0 15.7 23.5

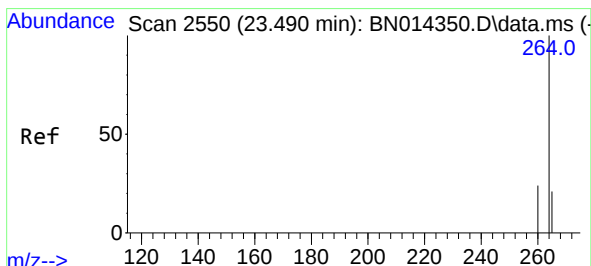
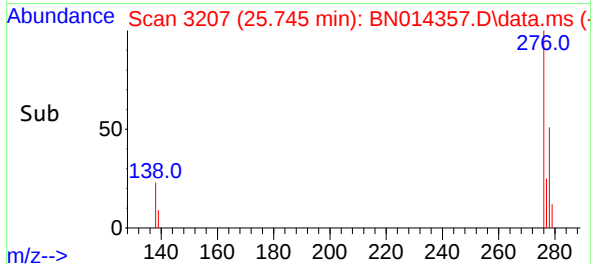
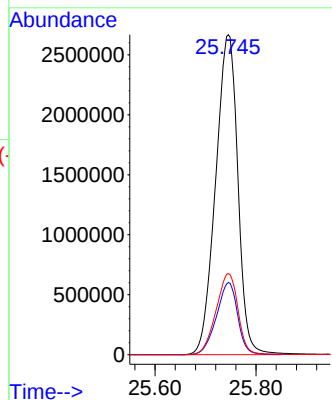
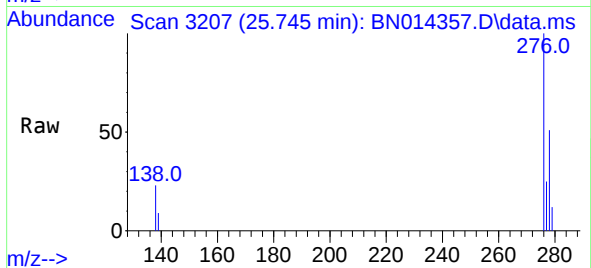




#35
Indeno(1,2,3-cd)pyrene
Concen: 94.08 ng
RT: 25.745 min Scan# 3207
Delta R.T. 0.020 min
Lab File: BN014357.D
Acq: 21 Apr 2021 16:07

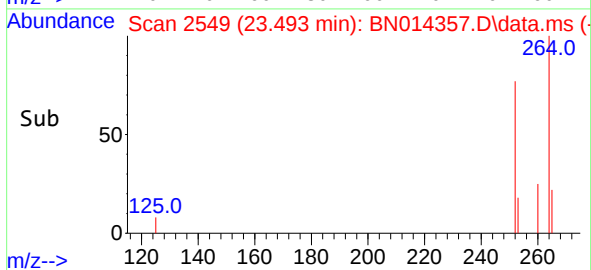
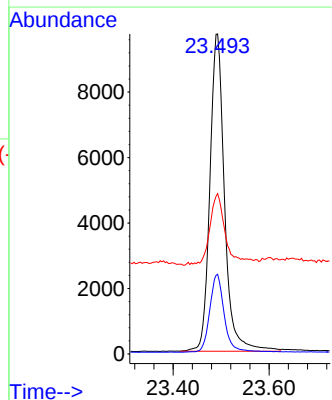
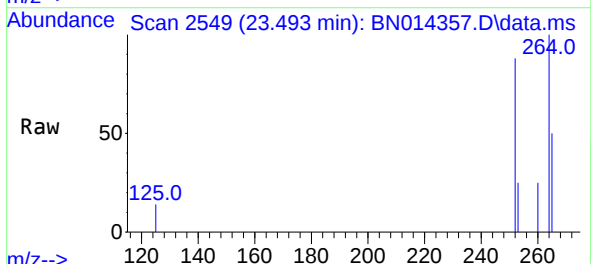
Instrument :
BNA_N
ClientSampleId :
38072-033121

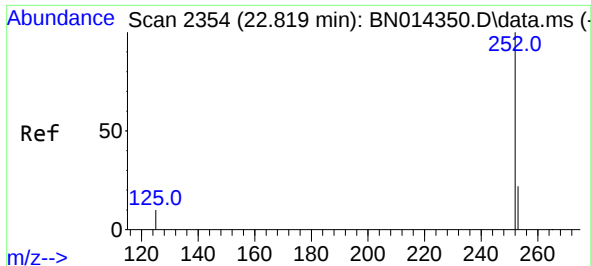
Tgt Ion:276 Resp: 8148124
Ion Ratio Lower Upper
276 100
138 21.6 18.9 28.3
277 25.1 19.8 29.8



#36
Perylene-d12
Concen: 0.40 ng
RT: 23.493 min Scan# 2549
Delta R.T. 0.003 min
Lab File: BN014357.D
Acq: 21 Apr 2021 16:07

Tgt Ion:264 Resp: 20546
Ion Ratio Lower Upper
264 100
260 24.9 19.8 29.6
265 50.1 34.4 51.6

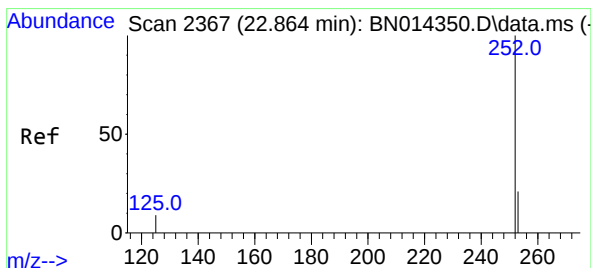
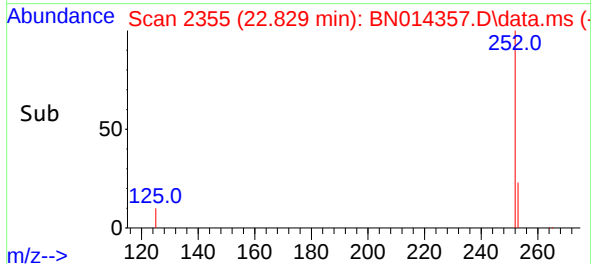
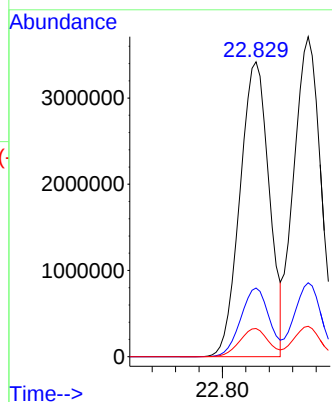
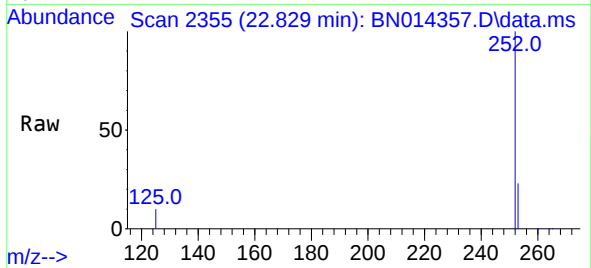




#37
Benzo(b)fluoranthene
Concen: 78.29 ng
RT: 22.829 min Scan# 2355
Delta R.T. 0.010 min
Lab File: BN014357.D
Acq: 21 Apr 2021 16:07

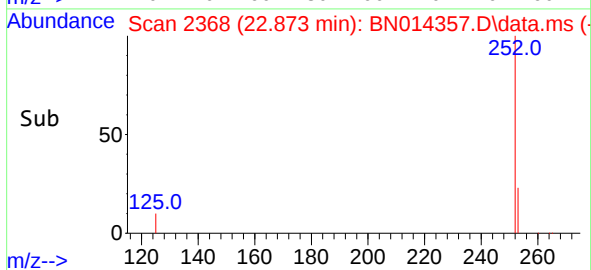
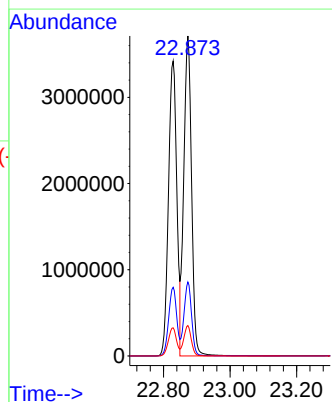
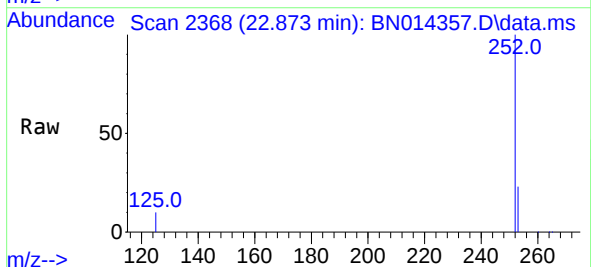
Instrument :
BNA_N
ClientSampleId :
38072-033121

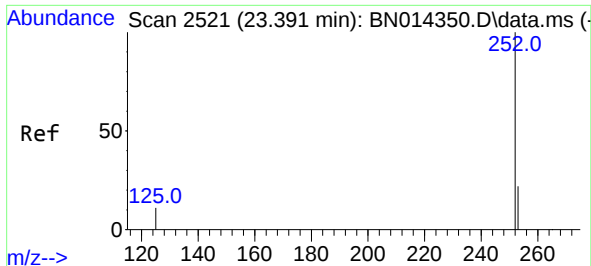
Tgt Ion:252 Resp: 5920672
Ion Ratio Lower Upper
252 100
253 23.3 19.0 28.6
125 9.6 9.7 14.5#



#38
Benzo(k)fluoranthene
Concen: 78.78 ng
RT: 22.873 min Scan# 2368
Delta R.T. 0.010 min
Lab File: BN014357.D
Acq: 21 Apr 2021 16:07

Tgt Ion:252 Resp: 6054700
Ion Ratio Lower Upper
252 100
253 23.1 19.3 28.9
125 9.5 9.4 14.2





#39

Benzo(a)pyrene

Concen: 79.12 ng

RT: 23.397 min Scan# 2521

Delta R.T. 0.006 min

Lab File: BN014357.D

Acq: 21 Apr 2021 16:07

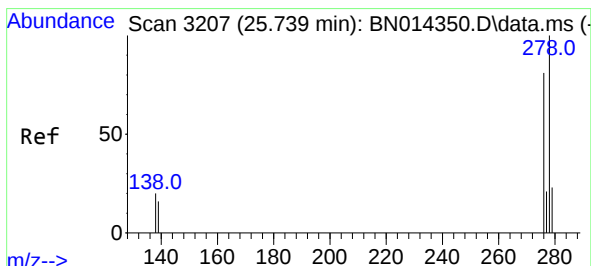
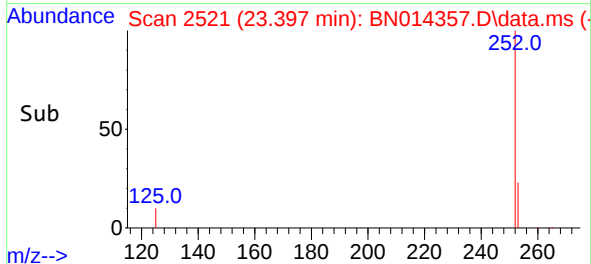
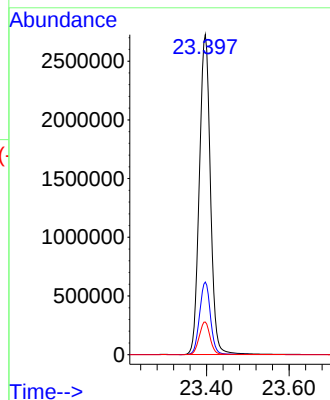
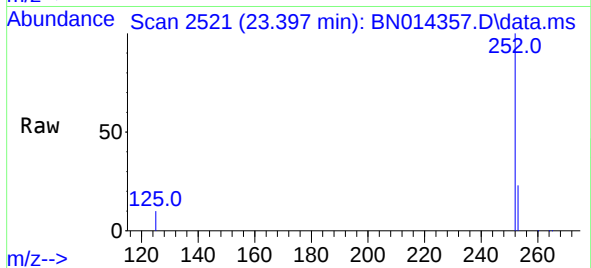
Tgt Ion:252 Resp: 5069899

Ion Ratio Lower Upper

252 100

253 22.7 20.7 31.1

125 10.2 11.8 17.6#



#40

Dibenzo(a,h)anthracene

Concen: 54.32 ng

RT: 25.755 min Scan# 3210

Delta R.T. 0.017 min

Lab File: BN014357.D

Acq: 21 Apr 2021 16:07

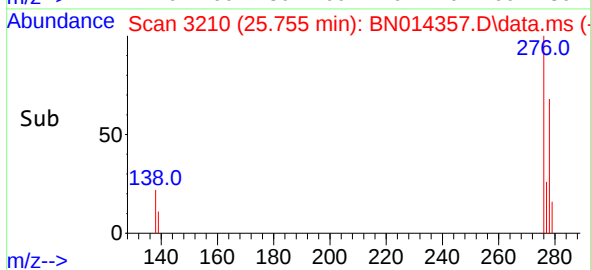
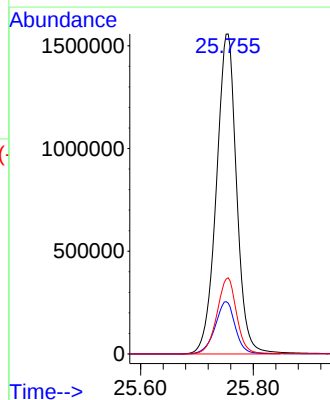
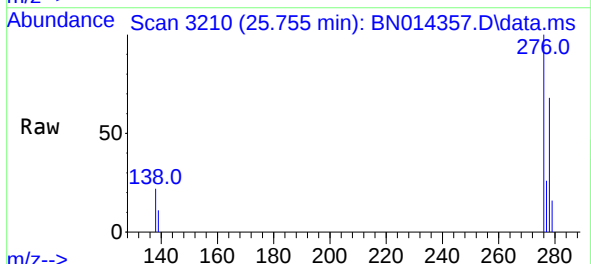
Tgt Ion:278 Resp: 3861503

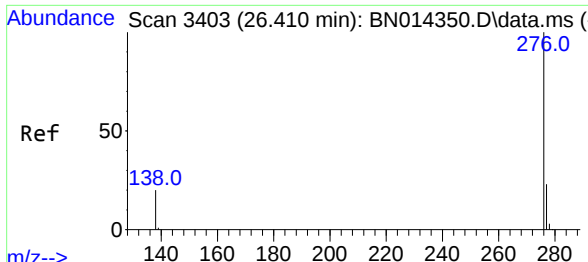
Ion Ratio Lower Upper

278 100

139 15.9 13.3 19.9

279 23.8 20.2 30.2





#41
 Benzo(g,h,i)perylene
 Concen: 164.96 ng
 RT: 26.447 min Scan# 3412
 Delta R.T. 0.037 min
 Lab File: BN014357.D
 Acq: 21 Apr 2021 16:07

Instrument :
 BNA_N
 ClientSampleId :
 38072-033121

Tgt Ion:276 Resp:12397189
 Ion Ratio Lower Upper
 276 100
 277 25.2 19.1 28.7
 138 21.4 16.7 25.1

