

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN042221\
 Data File : BN014358.D
 Acq On : 21 Apr 2021 16:51
 Operator : CG/JU
 Sample : M2108-01DL 5X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 38072-033121DL

Quant Time: Apr 21 17:22:34 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)

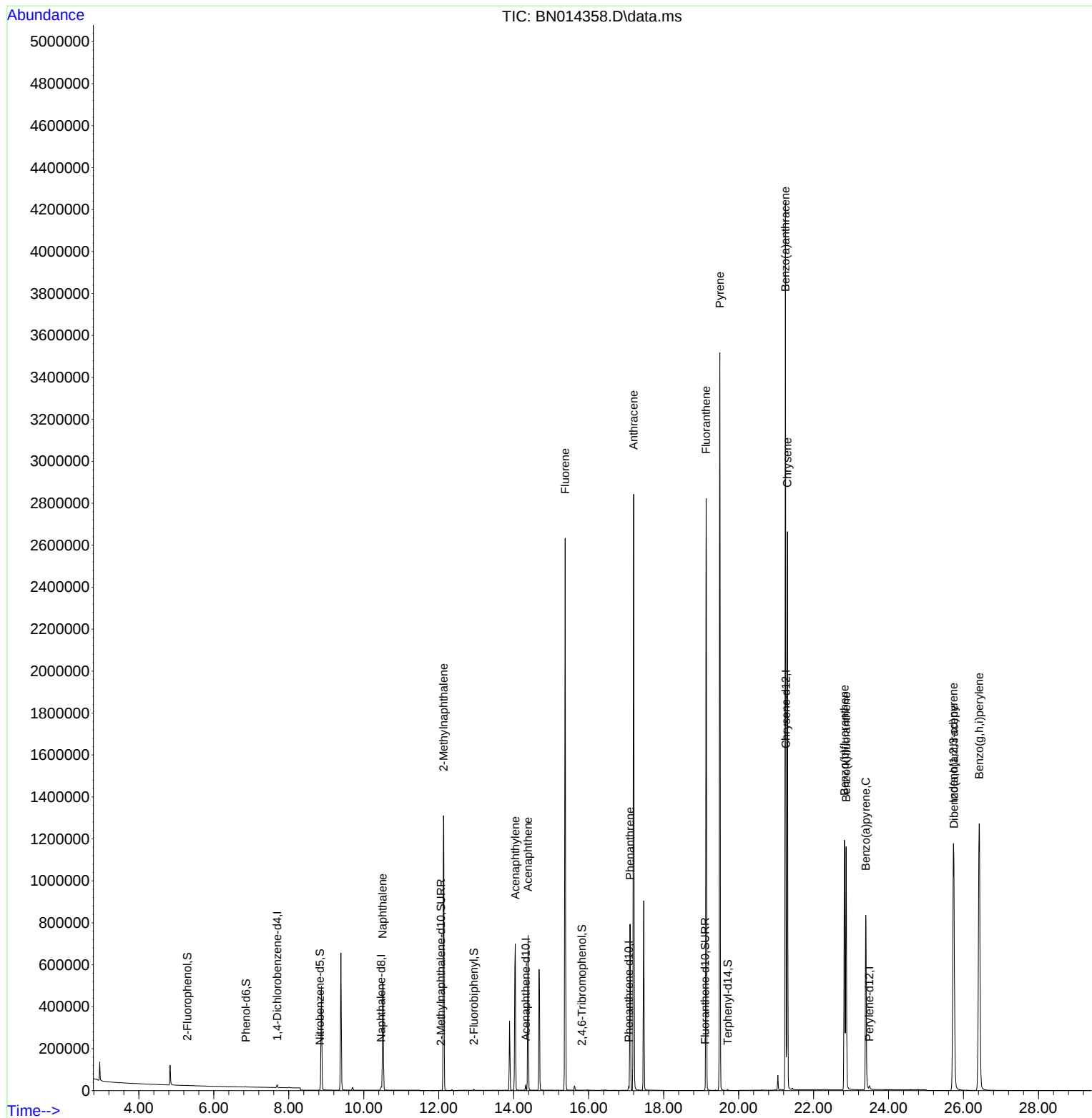
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.692	152	6309	0.40	ng	0.00
7) Naphthalene-d8	10.467	136	23442	0.40	ng	0.00
13) Acenaphthene-d10	14.321	164	12155	0.40	ng	0.00
19) Phenanthrene-d10	17.068	188	24184	0.40	ng	0.00
29) Chrysene-d12	21.261	240	29553	0.40	ng	0.00
36) Perylene-d12	23.489	264	20450	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.292	112	1016	0.08	ng	0.00
5) Phenol-d6	6.855	99	1222	0.08	ng	0.00
8) Nitrobenzene-d5	8.832	82	1640	0.08	ng	0.00
11) 2-Methylnaphthalene-d10	12.057	152	2614	0.07	ng	0.00
14) 2,4,6-Tribromophenol	15.818	330	267	0.07	ng	0.00
15) 2-Fluorobiphenyl	12.938	172	3940	0.08	ng	0.00
27) Fluoranthene-d10	19.104	212	4802	0.07	ng	0.00
31) Terphenyl-d14	19.710	244	4565	0.07	ng	0.00
Target Compounds						
						Qvalue
9) Naphthalene	10.505	128	743413	12.77	ng	99
12) 2-Methylnaphthalene	12.129	142	913012	24.03	ng	100
16) Acenaphthylene	14.042	152	822175	15.94	ng	100
17) Acenaphthene	14.384	154	349600	10.26	ng	98
18) Fluorene	15.374	166	1549332	36.89	ng	98
25) Phenanthrene	17.104	178	795546	11.71	ng	100
26) Anthracene	17.201	178	2796318	52.55	ng	99
28) Fluoranthene	19.134	202	2437090	33.63	ng	99
30) Pyrene	19.501	202	3198925	36.33	ng	99
32) Benzo(a)anthracene	21.250	228	3277179	41.94	ng	99
33) Chrysene	21.303	228	2120849	23.03	ng	99
35) Indeno(1,2,3-cd)pyrene	25.731	276	1681693	16.40	ng	97
37) Benzo(b)fluoranthene	22.825	252	1447725	19.23	ng	# 95
38) Benzo(k)fluoranthene	22.870	252	1454806	19.02	ng	# 95
39) Benzo(a)pyrene	23.393	252	1133801	17.78	ng	# 91
40) Dibenzo(a,h)anthracene	25.745	278	770373	10.89	ng	97
41) Benzo(g,h,i)perylene	26.419	276	2613673	34.94	ng	99

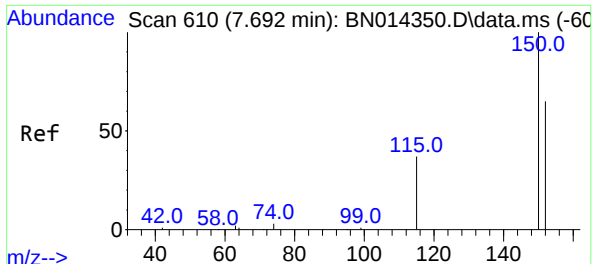
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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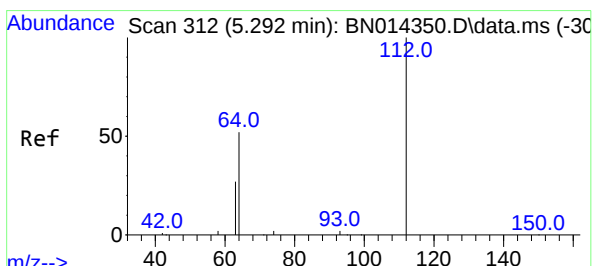
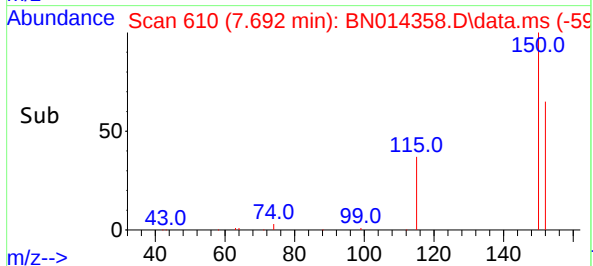
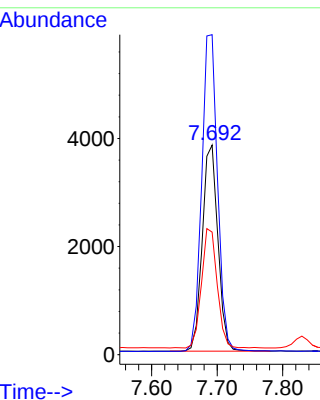
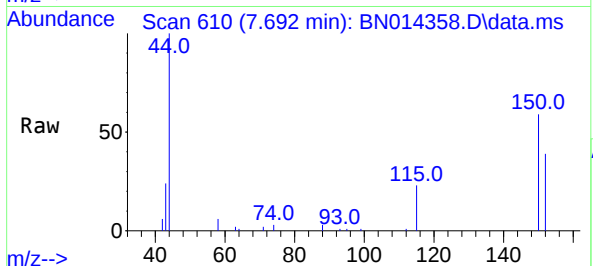




#1
1,4-Dichlorobenzene-d4
Concen: 0.40 ng
RT: 7.692 min Scan# 610
Delta R.T. 0.000 min
Lab File: BN014358.D
Acq: 21 Apr 2021 16:51

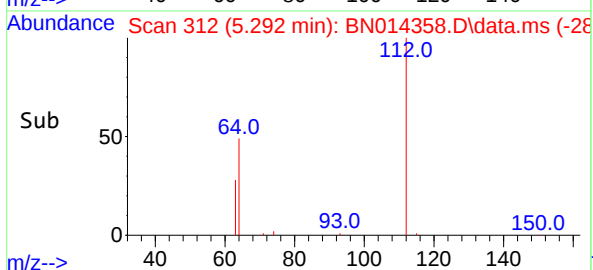
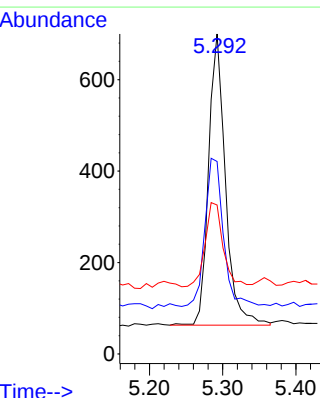
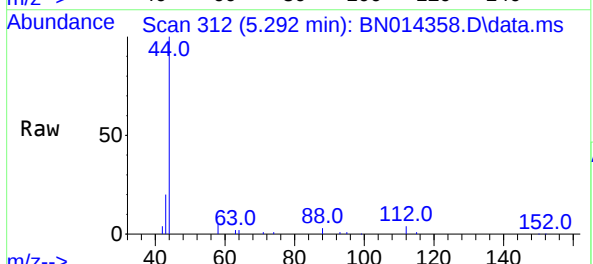
Instrument :
BNA_N
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38072-033121DL

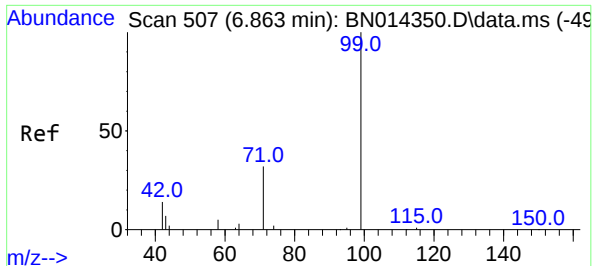
Tgt Ion:152 Resp: 6309
Ion Ratio Lower Upper
152 100
150 152.6 123.4 185.2
115 58.5 47.5 71.3



#4
2-Fluorophenol
Concen: 0.08 ng
RT: 5.292 min Scan# 312
Delta R.T. 0.000 min
Lab File: BN014358.D
Acq: 21 Apr 2021 16:51

Tgt Ion:112 Resp: 1016
Ion Ratio Lower Upper
112 100
64 56.7 43.0 64.6
63 31.7 23.4 35.0

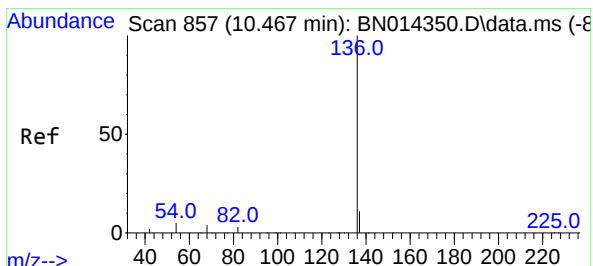
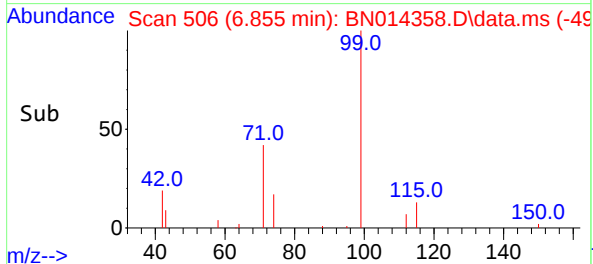
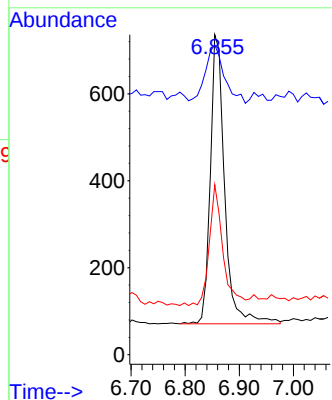
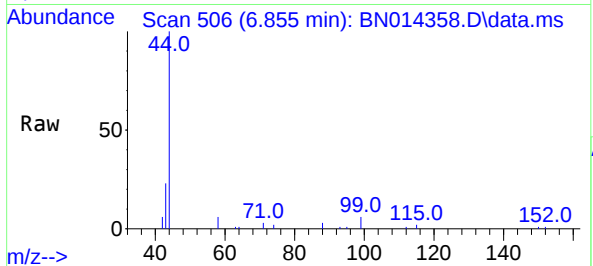




#5
Phenol-d6
Concen: 0.08 ng
RT: 6.855 min Scan# 506
Delta R.T. -0.008 min
Lab File: BN014358.D
Acq: 21 Apr 2021 16:51

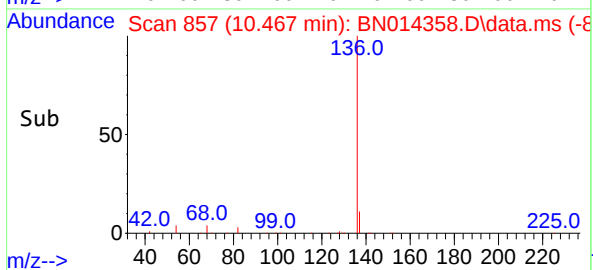
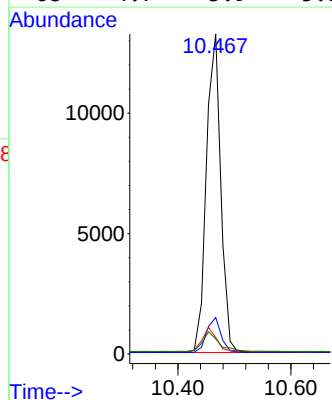
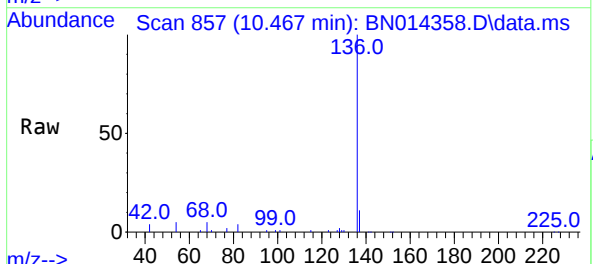
Instrument :
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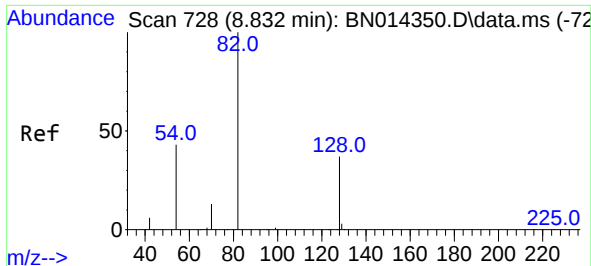
Tgt Ion: 99 Resp: 1222
Ion Ratio Lower Upper
99 100
42 26.9 16.0 24.0#
71 39.7 27.8 41.8



#7
Naphthalene-d8
Concen: 0.40 ng
RT: 10.467 min Scan# 857
Delta R.T. -0.000 min
Lab File: BN014358.D
Acq: 21 Apr 2021 16:51

Tgt Ion: 136 Resp: 23442
Ion Ratio Lower Upper
136 100
137 11.4 9.0 13.6
54 5.2 4.4 6.6
68 4.7 3.9 5.9

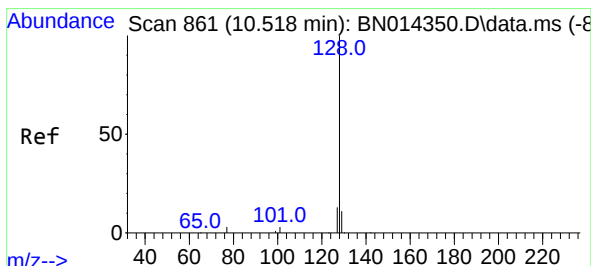
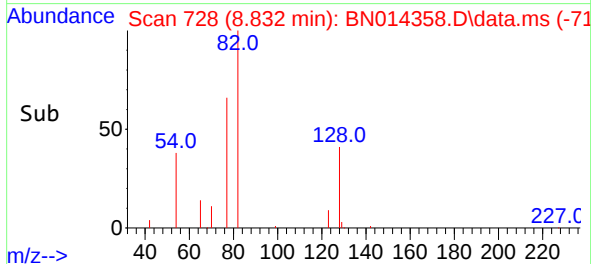
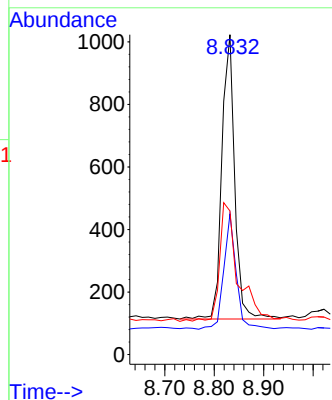
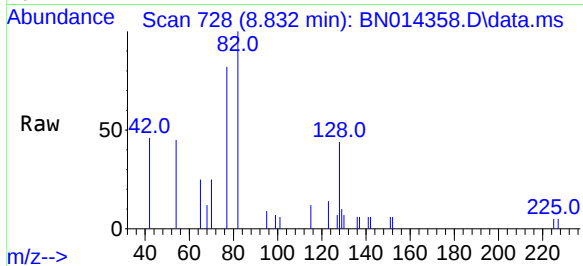




#8
Nitrobenzene-d5
Concen: 0.08 ng
RT: 8.832 min Scan# 728
Delta R.T. -0.000 min
Lab File: BN014358.D
Acq: 21 Apr 2021 16:51

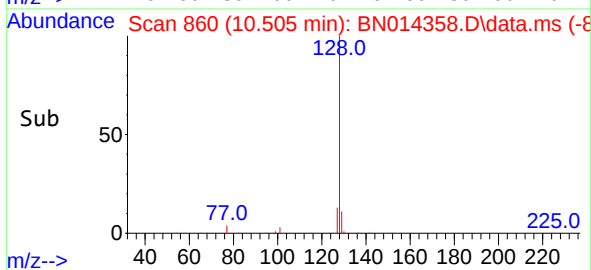
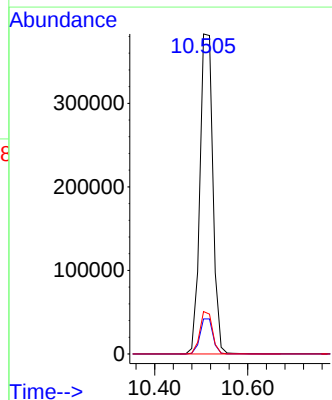
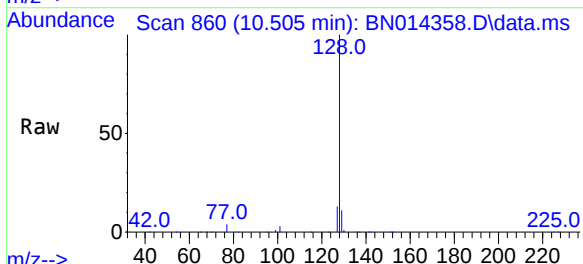
Instrument :
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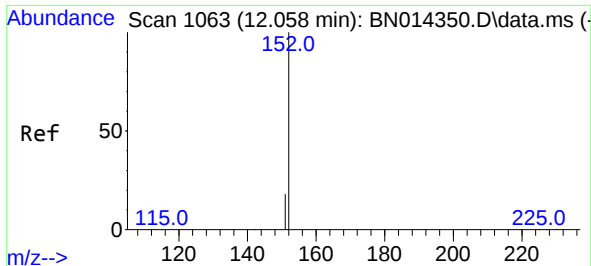
Tgt Ion:	82	Resp:	1640
Ion	Ratio	Lower	Upper
82	100		
128	44.0	30.3	45.5
54	44.9	35.8	53.8



#9
Naphthalene
Concen: 12.77 ng
RT: 10.505 min Scan# 860
Delta R.T. -0.013 min
Lab File: BN014358.D
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Tgt Ion:	128	Resp:	743413
Ion	Ratio	Lower	Upper
128	100		
129	11.0	9.0	13.6
127	13.3	10.3	15.5

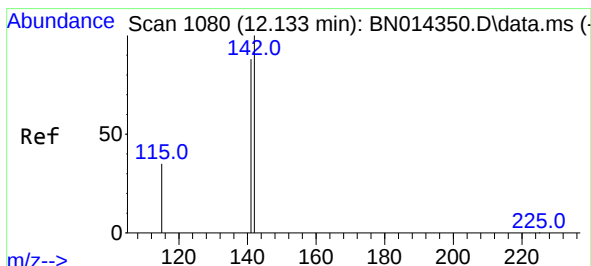
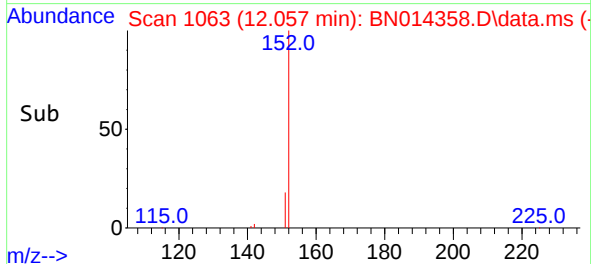
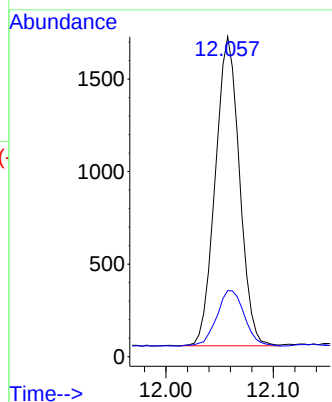
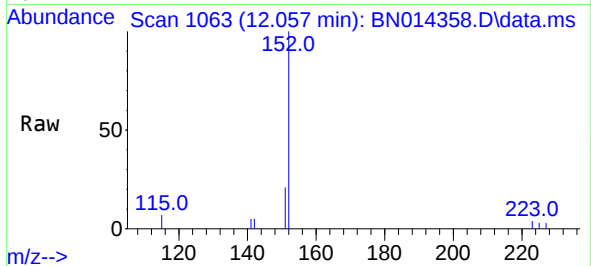




#11
2-Methylnaphthalene-d10
Concen: 0.07 ng
RT: 12.057 min Scan# 1063
Delta R.T. -0.000 min
Lab File: BN014358.D
Acq: 21 Apr 2021 16:51

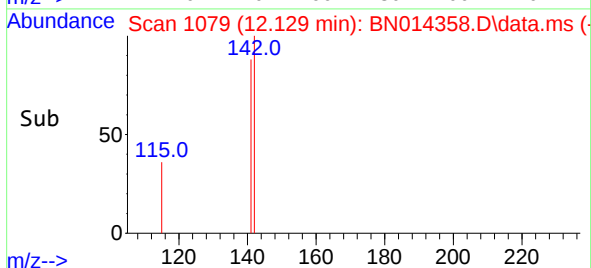
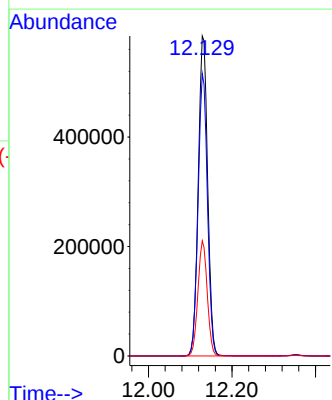
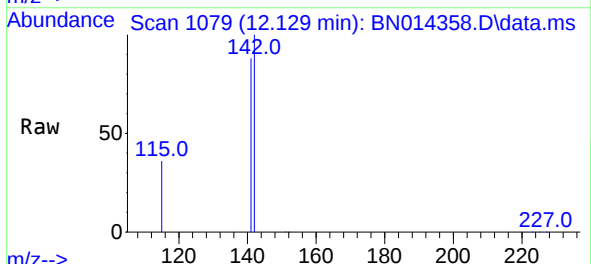
Instrument :
BNA_N
ClientSampleId :
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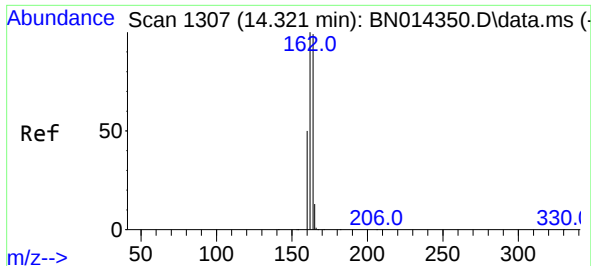
Tgt Ion:152 Resp: 2614
Ion Ratio Lower Upper
152 100
151 20.6 16.3 24.5



#12
2-Methylnaphthalene
Concen: 24.03 ng
RT: 12.129 min Scan# 1079
Delta R.T. -0.005 min
Lab File: BN014358.D
Acq: 21 Apr 2021 16:51

Tgt Ion:142 Resp: 913012
Ion Ratio Lower Upper
142 100
141 88.2 70.6 105.8
115 36.0 29.0 43.6

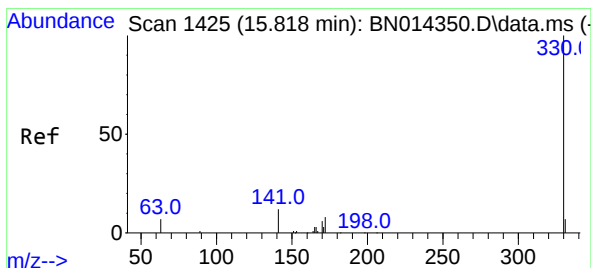
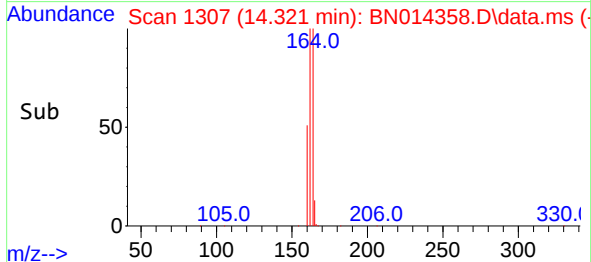
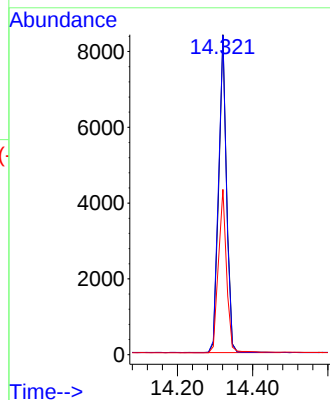
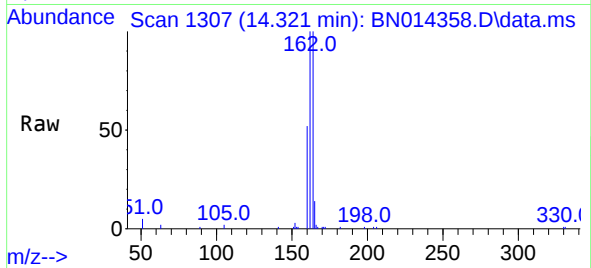




#13
Acenaphthene-d10
Concen: 0.40 ng
RT: 14.321 min Scan# 1307
Delta R.T. -0.000 min
Lab File: BN014358.D
Acq: 21 Apr 2021 16:51

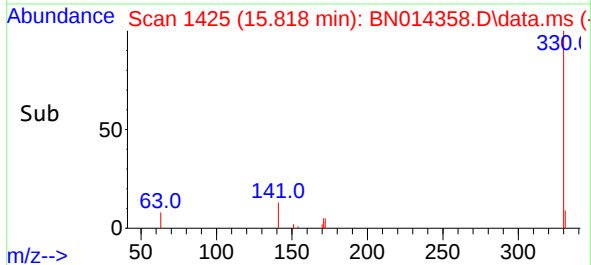
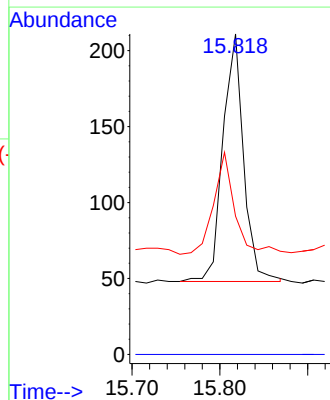
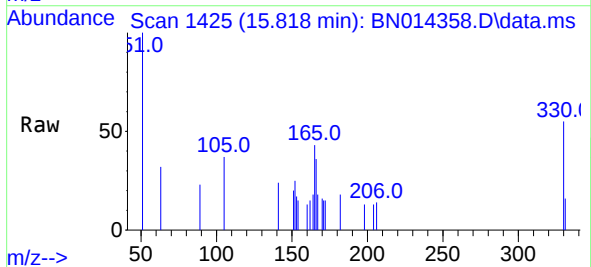
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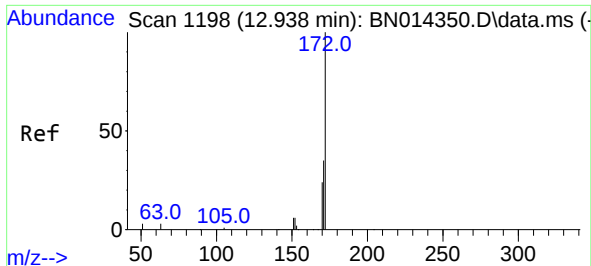
Tgt Ion:164 Resp: 12155
Ion Ratio Lower Upper
164 100
162 99.8 81.0 121.6
160 51.7 40.7 61.1



#14
2,4,6-Tribromophenol
Concen: 0.07 ng
RT: 15.818 min Scan# 1425
Delta R.T. -0.000 min
Lab File: BN014358.D
Acq: 21 Apr 2021 16:51

Tgt Ion:330 Resp: 267
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 42.3 26.2 39.2#

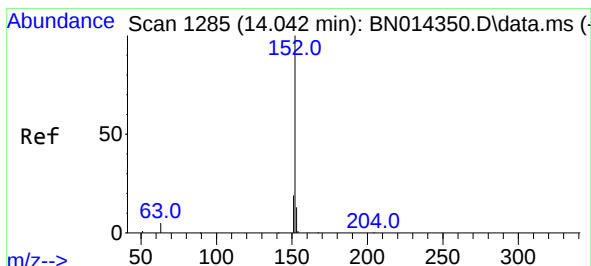
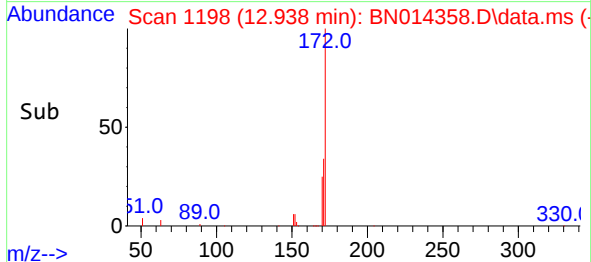
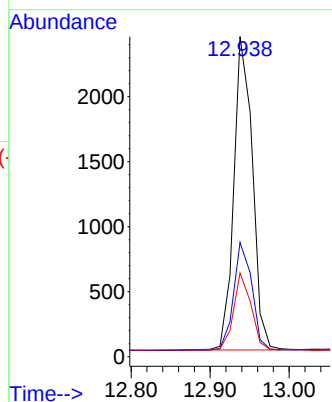
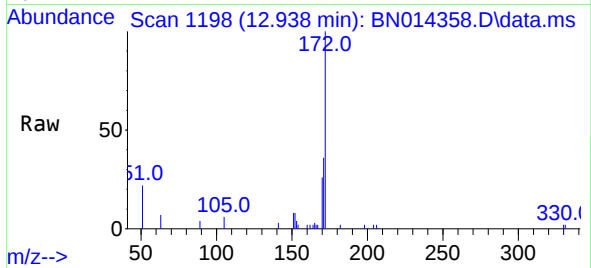




#15
2-Fluorobiphenyl
Concen: 0.08 ng
RT: 12.938 min Scan# 1198
Delta R.T. -0.000 min
Lab File: BN014358.D
Acq: 21 Apr 2021 16:51

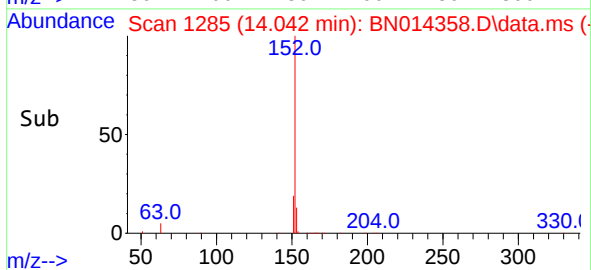
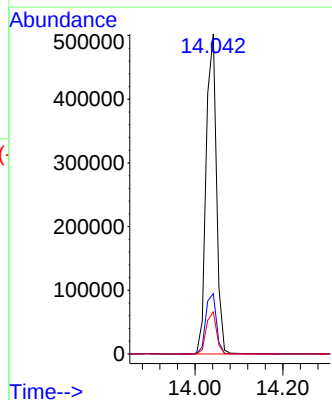
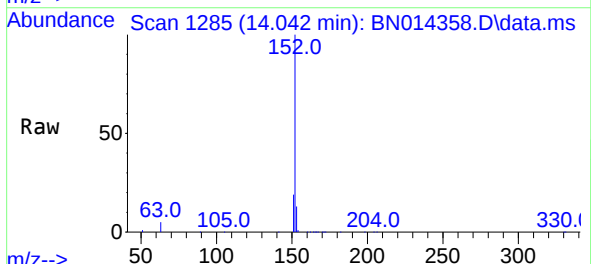
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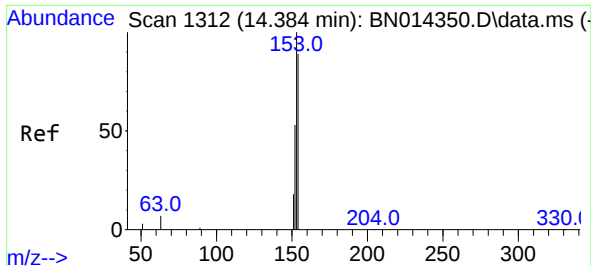
Tgt Ion:	172	Resp:	3940
Ion	Ratio	Lower	Upper
172	100		
171	35.7	28.2	42.2
170	26.2	19.6	29.4



#16
Acenaphthylene
Concen: 15.94 ng
RT: 14.042 min Scan# 1285
Delta R.T. -0.000 min
Lab File: BN014358.D
Acq: 21 Apr 2021 16:51

Tgt Ion:	152	Resp:	822175
Ion	Ratio	Lower	Upper
152	100		
151	19.4	15.6	23.4
153	13.1	10.5	15.7

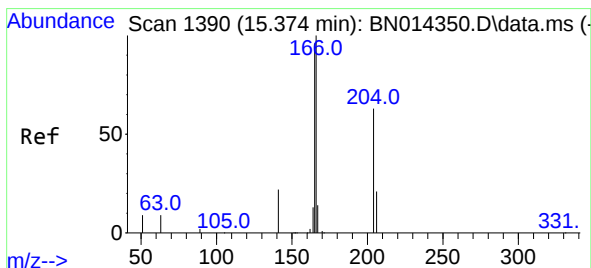
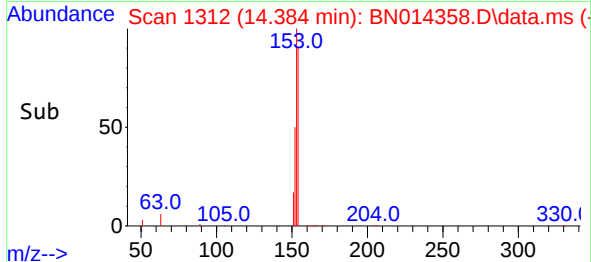
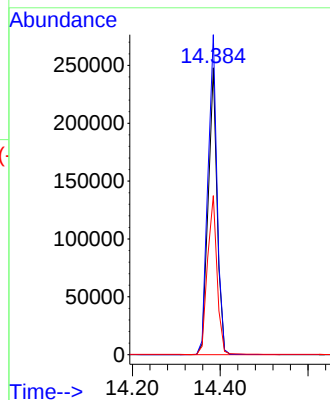
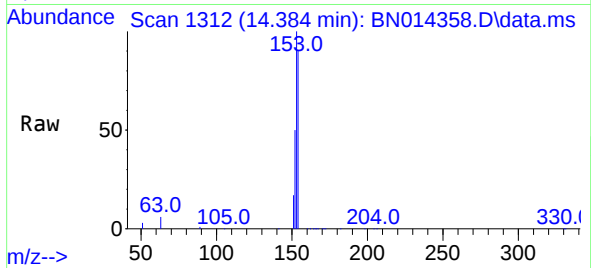




#17
Acenaphthene
Concen: 10.26 ng
RT: 14.384 min Scan# 1312
Delta R.T. -0.000 min
Lab File: BN014358.D
Acq: 21 Apr 2021 16:51

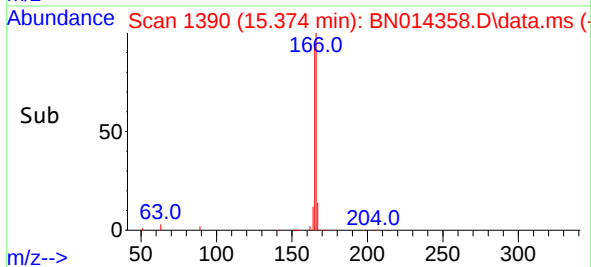
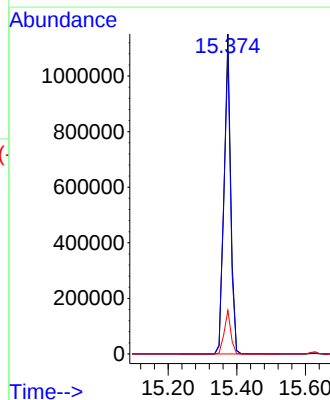
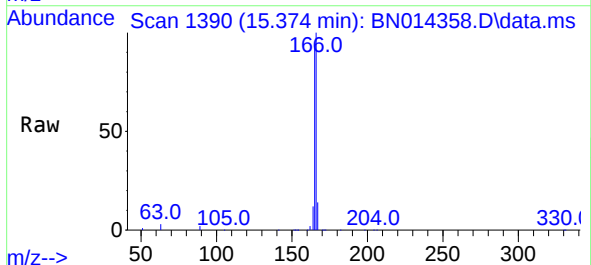
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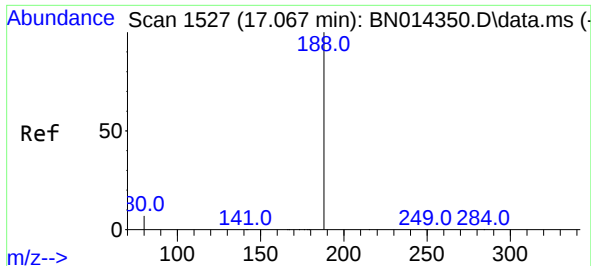
Tgt Ion:154 Resp: 349600
Ion Ratio Lower Upper
154 100
153 113.7 89.2 133.8
152 59.0 49.0 73.4



#18
Fluorene
Concen: 36.89 ng
RT: 15.374 min Scan# 1390
Delta R.T. -0.000 min
Lab File: BN014358.D
Acq: 21 Apr 2021 16:51

Tgt Ion:166 Resp: 1549332
Ion Ratio Lower Upper
166 100
165 96.1 78.6 118.0
167 13.5 10.9 16.3

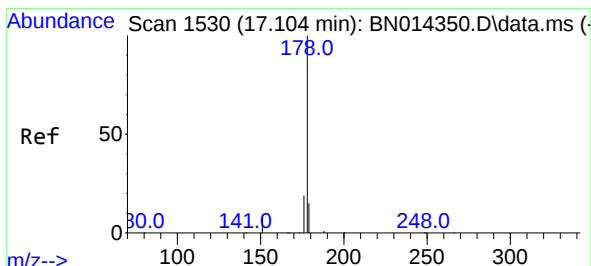
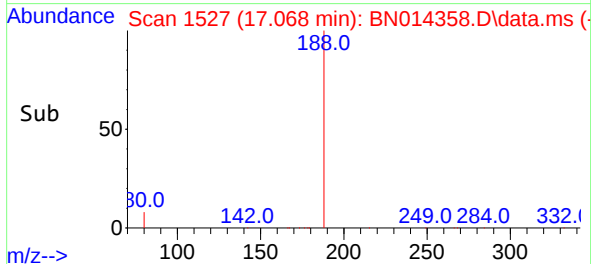
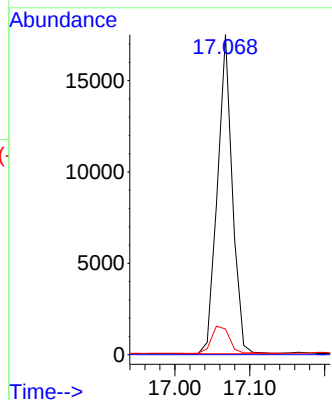
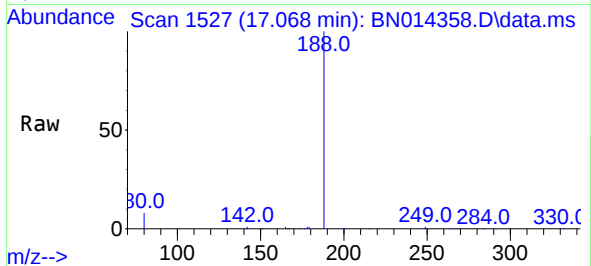




#19
Phenanthrene-d10
Concen: 0.40 ng
RT: 17.068 min Scan# 1527
Delta R.T. 0.000 min
Lab File: BN014358.D
Acq: 21 Apr 2021 16:51

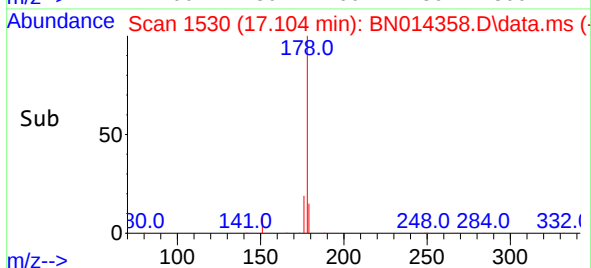
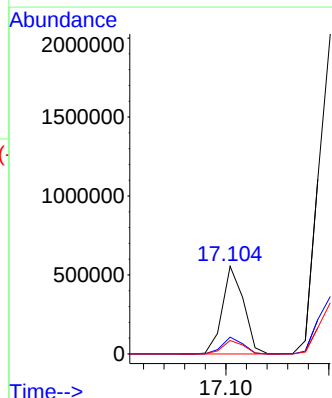
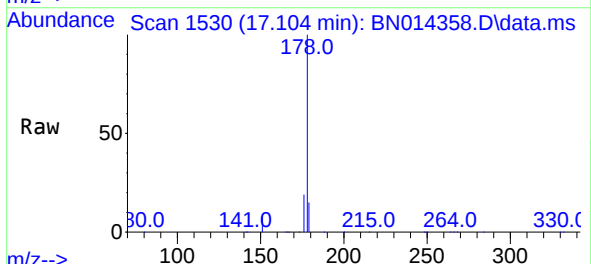
Instrument :
BNA_N
ClientSampleId :
38072-033121DL

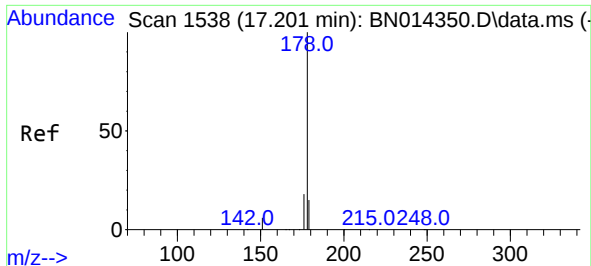
Tgt Ion:	188	Resp:	24184
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	8.1	6.2	9.4



#25
Phenanthrene
Concen: 11.71 ng
RT: 17.104 min Scan# 1530
Delta R.T. 0.000 min
Lab File: BN014358.D
Acq: 21 Apr 2021 16:51

Tgt Ion:	178	Resp:	795546
Ion Ratio	Lower	Upper	
178	100		
176	18.9	15.2	22.8
179	15.4	12.2	18.4



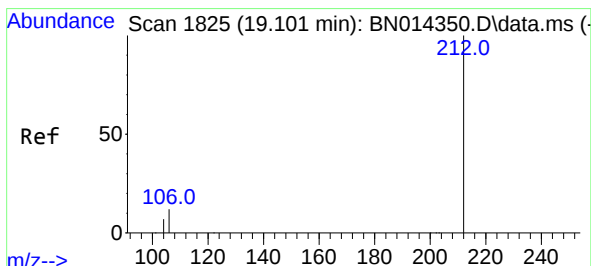
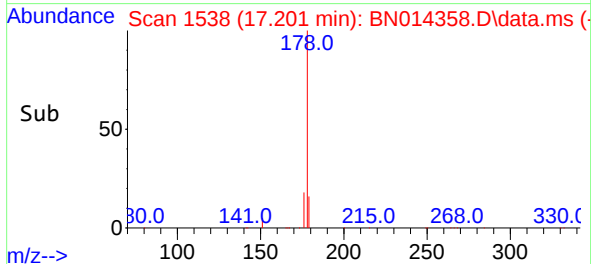
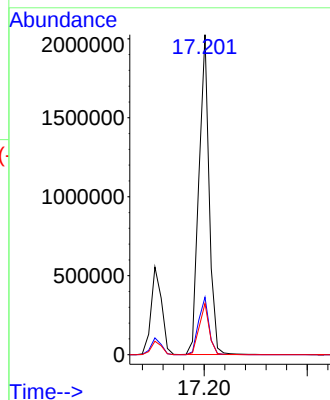
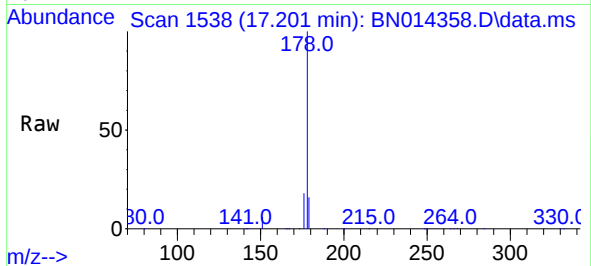


#26
 Anthracene
 Concen: 52.55 ng
 RT: 17.201 min Scan# 1538
 Delta R.T. 0.000 min
 Lab File: BN014358.D
 Acq: 21 Apr 2021 16:51

Instrument :
 BNA_N
 ClientSampleId :
 38072-033121DL

Tgt Ion:178 Resp: 2796318

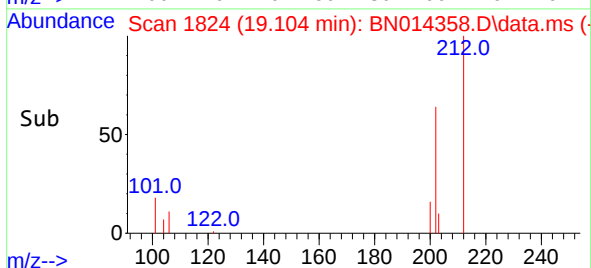
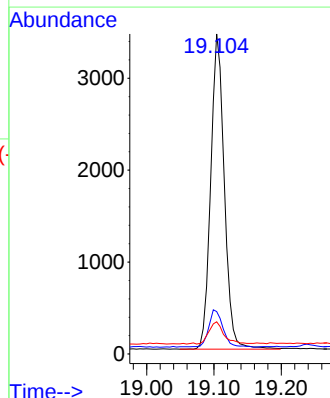
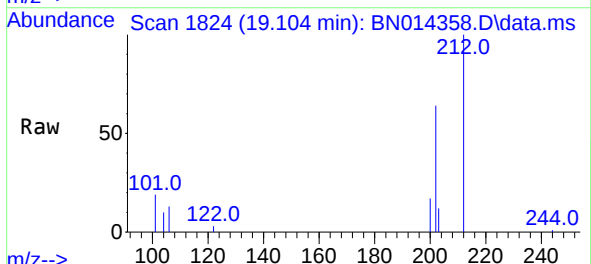
Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.0	22.4
179	15.7	12.2	18.2

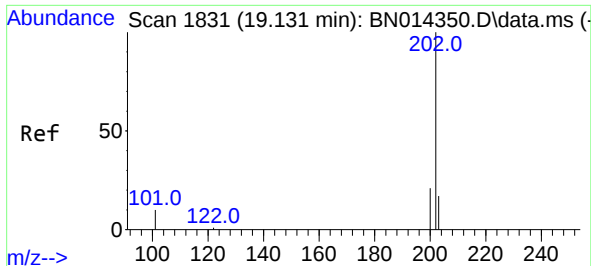


#27
 Fluoranthene-d10
 Concen: 0.07 ng
 RT: 19.104 min Scan# 1824
 Delta R.T. 0.003 min
 Lab File: BN014358.D
 Acq: 21 Apr 2021 16:51

Tgt Ion:212 Resp: 4802

Ion	Ratio	Lower	Upper
212	100		
106	12.2	9.7	14.5
104	7.9	5.4	8.0

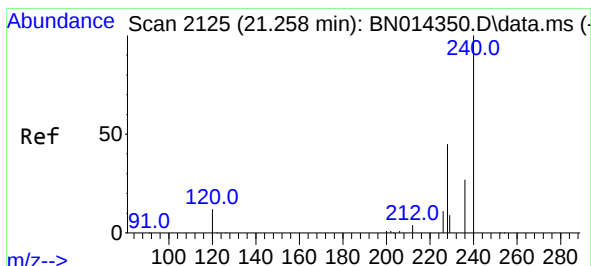
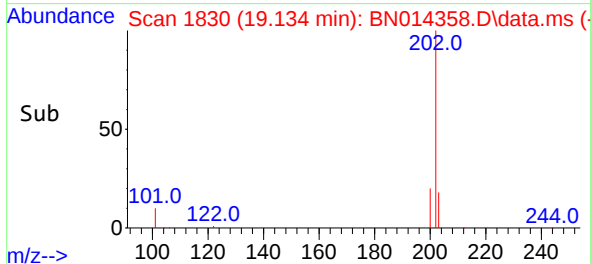
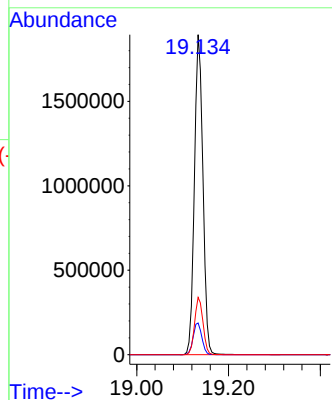
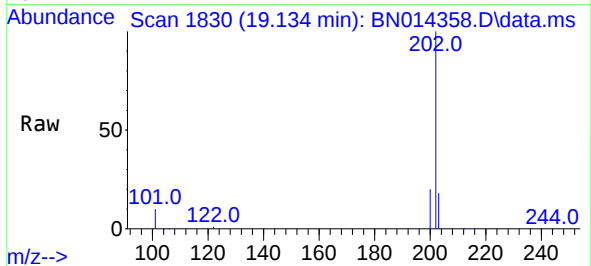




#28
Fluoranthene
Concen: 33.63 ng
RT: 19.134 min Scan# 1830
Delta R.T. 0.003 min
Lab File: BN014358.D
Acq: 21 Apr 2021 16:51

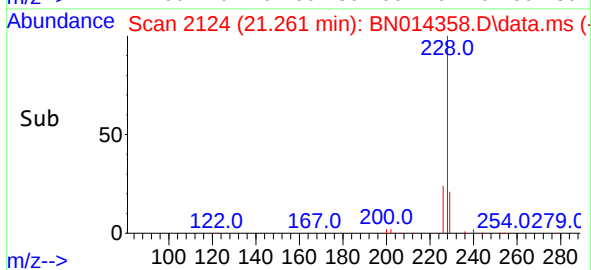
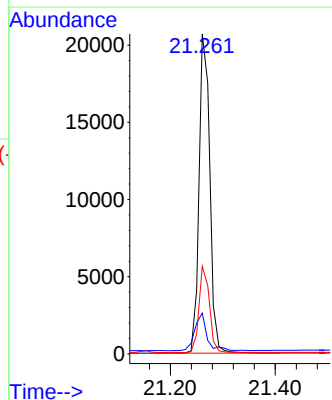
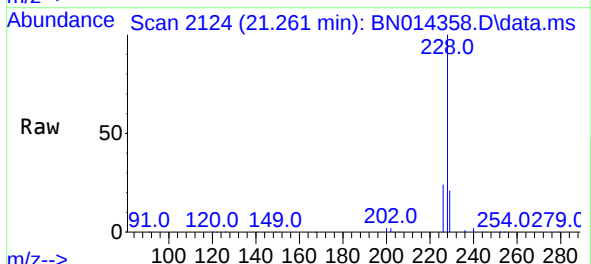
Instrument :
BNA_N
ClientSampleId :
38072-033121DL

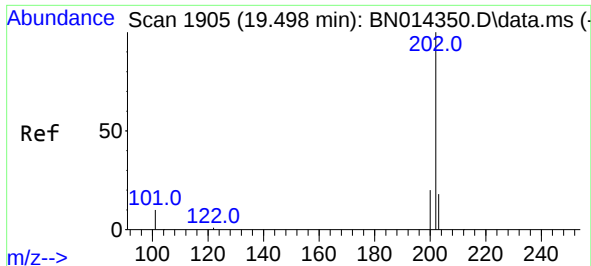
Tgt Ion:202 Resp: 2437090
Ion Ratio Lower Upper
202 100
101 10.1 8.2 12.4
203 17.7 13.8 20.6



#29
Chrysene-d12
Concen: 0.40 ng
RT: 21.261 min Scan# 2124
Delta R.T. 0.003 min
Lab File: BN014358.D
Acq: 21 Apr 2021 16:51

Tgt Ion:240 Resp: 29553
Ion Ratio Lower Upper
240 100
120 12.8 10.7 16.1
236 27.4 21.5 32.3

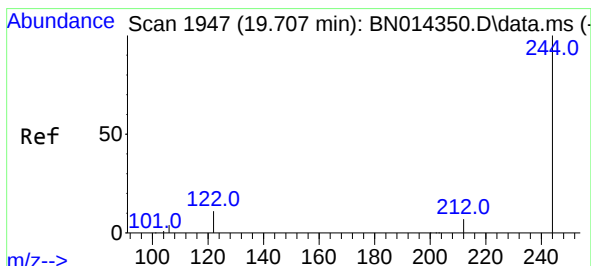
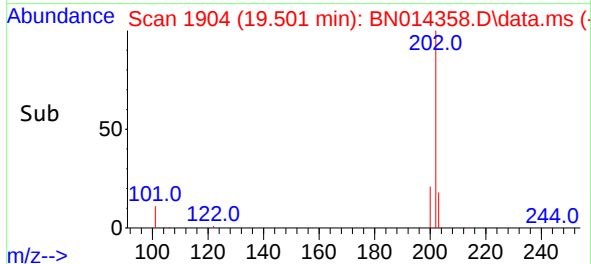
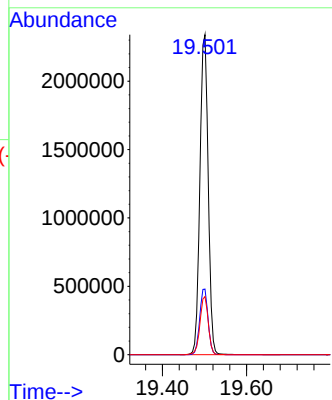
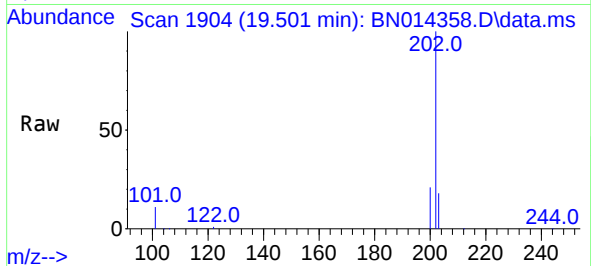




#30
Pyrene
Concen: 36.33 ng
RT: 19.501 min Scan# 1904
Delta R.T. 0.003 min
Lab File: BN014358.D
Acq: 21 Apr 2021 16:51

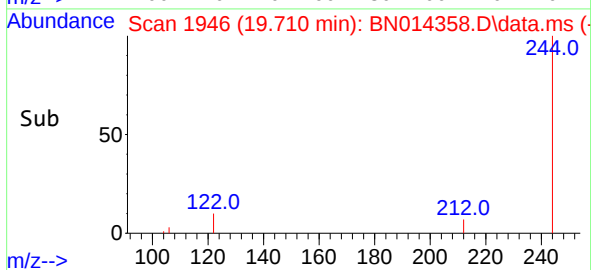
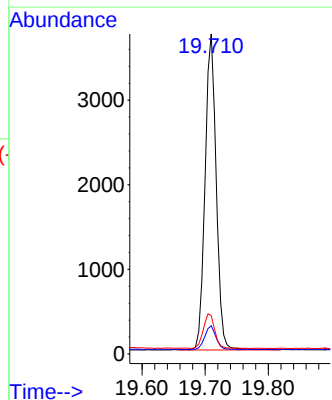
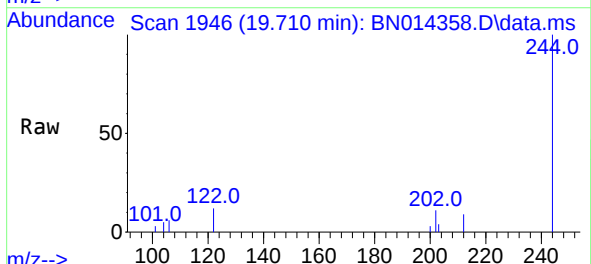
Instrument :
BNA_N
ClientSampleId :
38072-033121DL

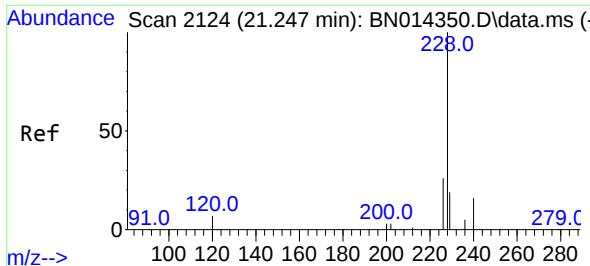
Tgt Ion:202 Resp: 3198925
Ion Ratio Lower Upper
202 100
200 20.7 16.6 24.8
203 18.3 14.1 21.1



#31
Terphenyl-d14
Concen: 0.07 ng
RT: 19.710 min Scan# 1946
Delta R.T. 0.003 min
Lab File: BN014358.D
Acq: 21 Apr 2021 16:51

Tgt Ion:244 Resp: 4565
Ion Ratio Lower Upper
244 100
212 8.8 6.2 9.4
122 12.0 9.3 13.9

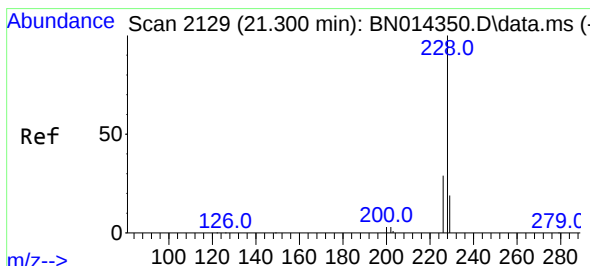
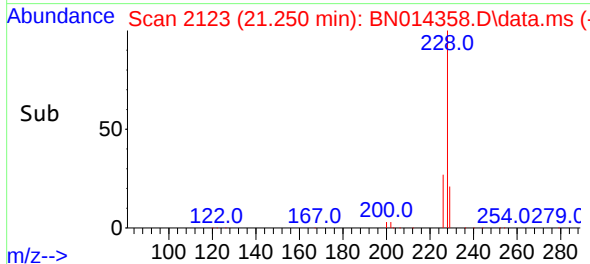
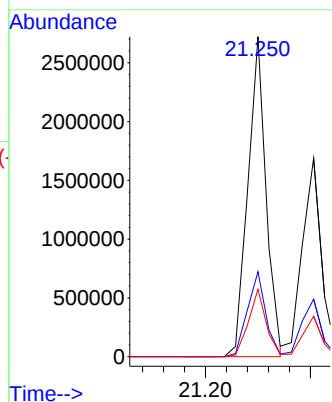
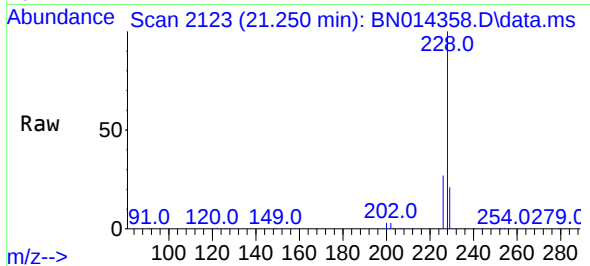




#32
Benzo(a)anthracene
Concen: 41.94 ng
RT: 21.250 min Scan# 2123
Delta R.T. 0.003 min
Lab File: BN014358.D
Acq: 21 Apr 2021 16:51

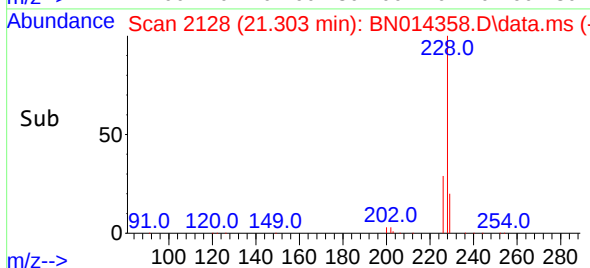
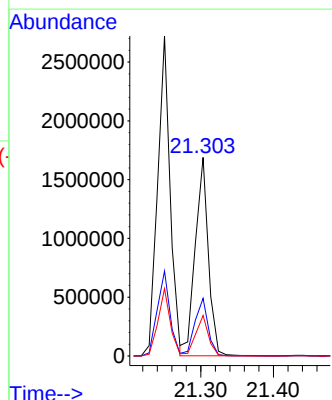
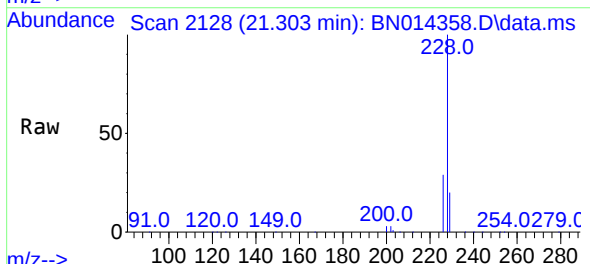
Instrument :
BNA_N
ClientSampleId :
38072-033121DL

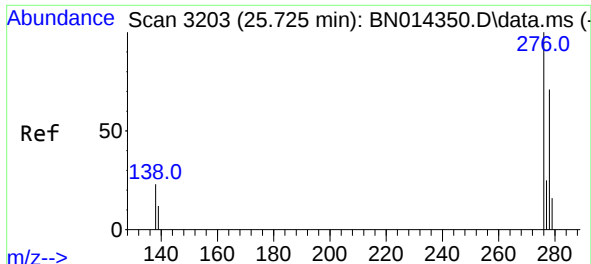
Tgt Ion:228 Resp: 3277179
Ion Ratio Lower Upper
228 100
226 26.5 21.3 31.9
229 21.1 15.7 23.5



#33
Chrysene
Concen: 23.03 ng
RT: 21.303 min Scan# 2128
Delta R.T. 0.003 min
Lab File: BN014358.D
Acq: 21 Apr 2021 16:51

Tgt Ion:228 Resp: 2120849
Ion Ratio Lower Upper
228 100
226 29.0 23.1 34.7
229 20.4 15.7 23.5

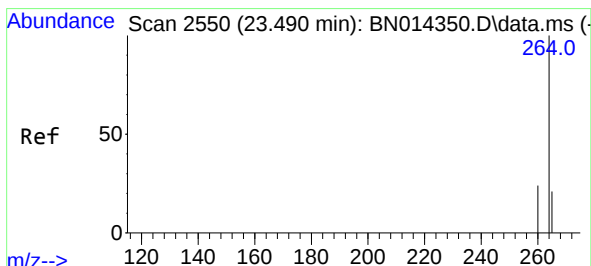
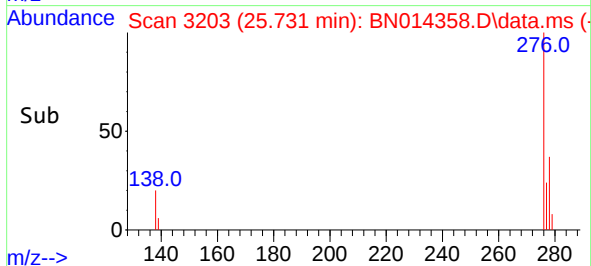
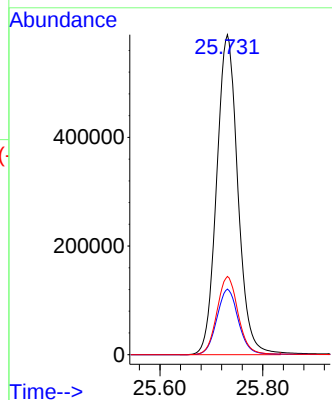
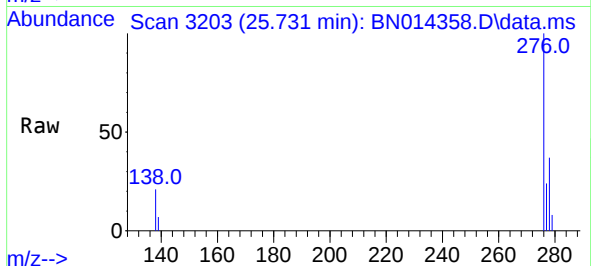




#35
Indeno(1,2,3-cd)pyrene
Concen: 16.40 ng
RT: 25.731 min Scan# 3203
Delta R.T. 0.006 min
Lab File: BN014358.D
Acq: 21 Apr 2021 16:51

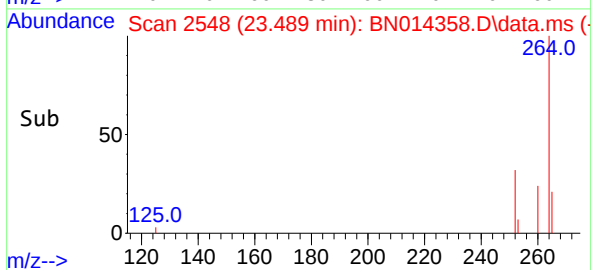
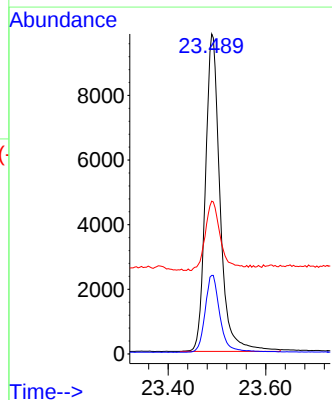
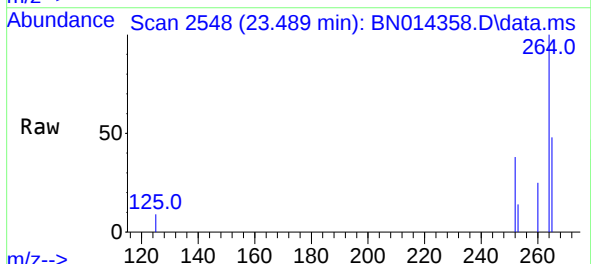
Instrument :
BNA_N
ClientSampleId :
38072-033121DL

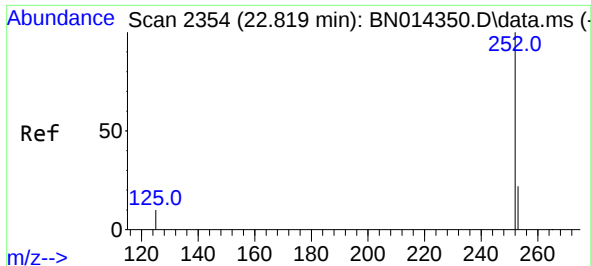
Tgt Ion:276 Resp: 1681693
Ion Ratio Lower Upper
276 100
138 20.9 18.9 28.3
277 24.5 19.8 29.8



#36
Perylene-d12
Concen: 0.40 ng
RT: 23.489 min Scan# 2548
Delta R.T. -0.001 min
Lab File: BN014358.D
Acq: 21 Apr 2021 16:51

Tgt Ion:264 Resp: 20450
Ion Ratio Lower Upper
264 100
260 24.6 19.8 29.6
265 47.8 34.4 51.6

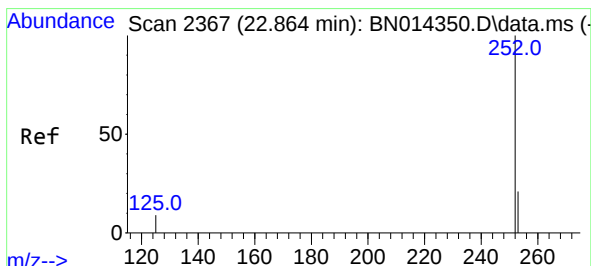
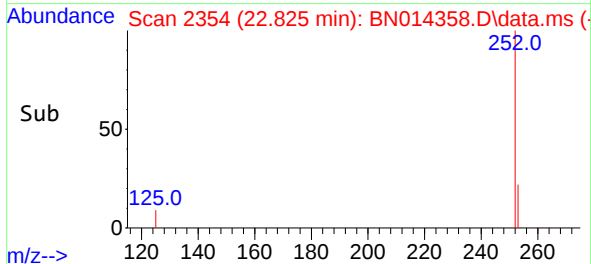
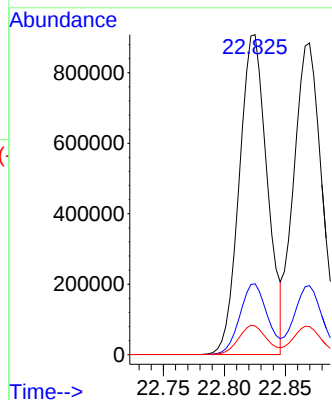
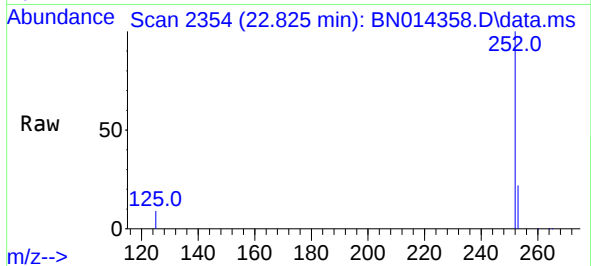




#37
Benzo(b)fluoranthene
Concen: 19.23 ng
RT: 22.825 min Scan# 2354
Delta R.T. 0.006 min
Lab File: BN014358.D
Acq: 21 Apr 2021 16:51

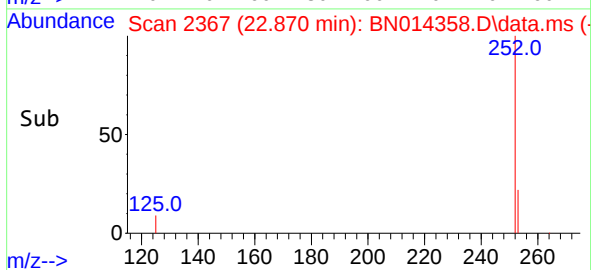
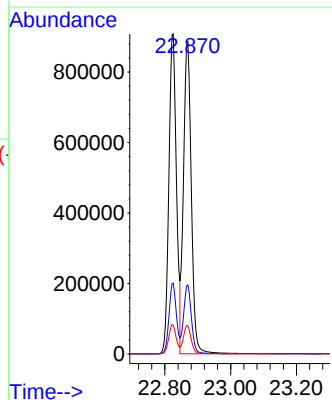
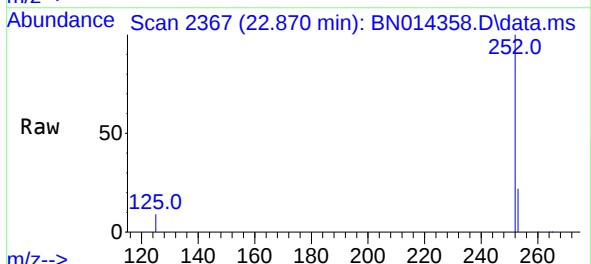
Instrument :
BNA_N
ClientSampleId :
38072-033121DL

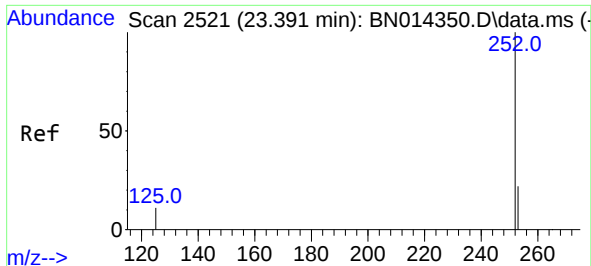
Tgt Ion:252 Resp: 1447725
Ion Ratio Lower Upper
252 100
253 22.2 19.0 28.6
125 9.0 9.7 14.5#



#38
Benzo(k)fluoranthene
Concen: 19.02 ng
RT: 22.870 min Scan# 2367
Delta R.T. 0.006 min
Lab File: BN014358.D
Acq: 21 Apr 2021 16:51

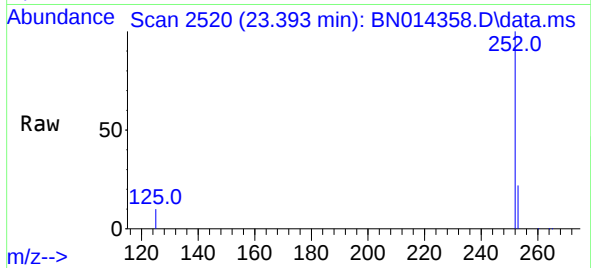
Tgt Ion:252 Resp: 1454806
Ion Ratio Lower Upper
252 100
253 22.1 19.3 28.9
125 9.0 9.4 14.2#



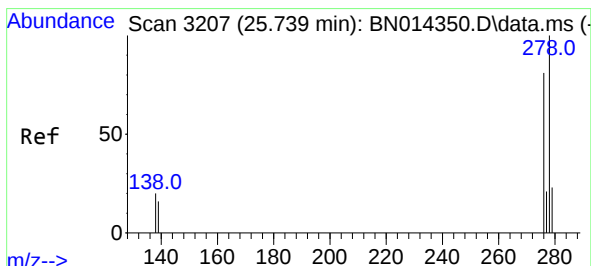
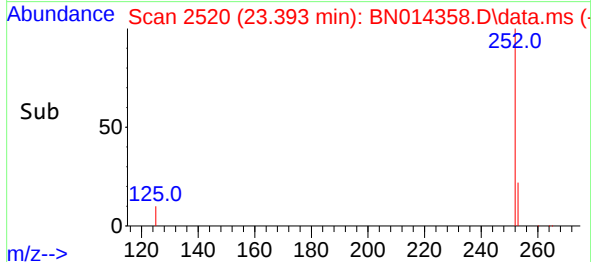
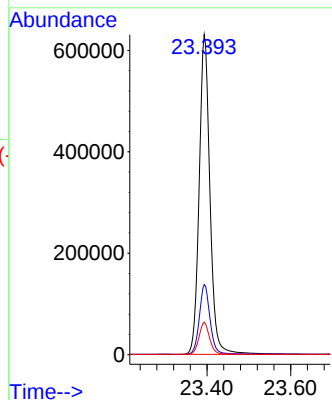


#39
Benzo(a)pyrene
Concen: 17.78 ng
RT: 23.393 min Scan# 2520
Delta R.T. 0.003 min
Lab File: BN014358.D
Acq: 21 Apr 2021 16:51

Instrument :
BNA_N
ClientSampleId :
38072-033121DL

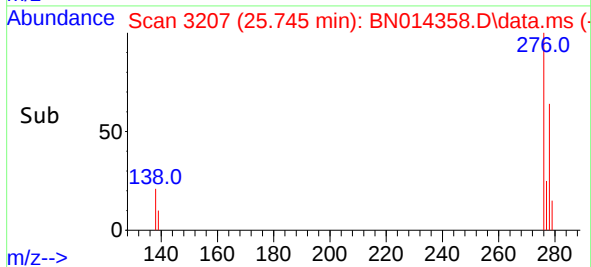
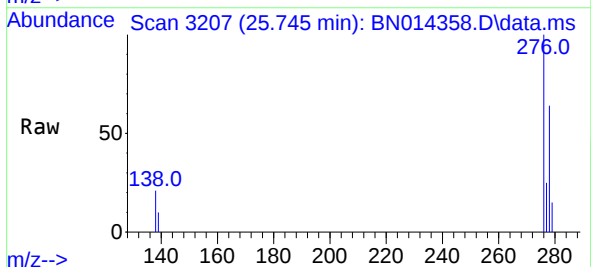
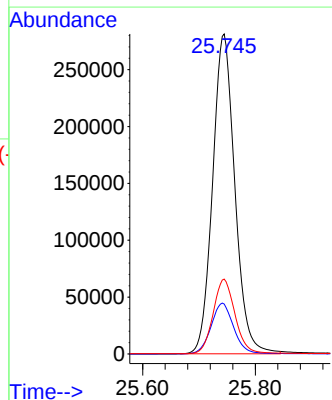


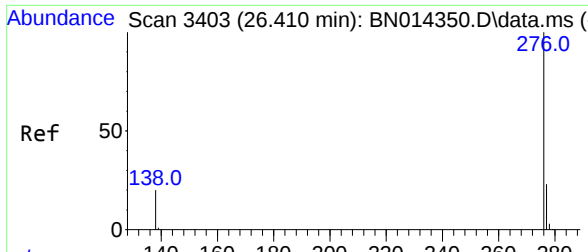
Tgt Ion:252 Resp: 1133801
Ion Ratio Lower Upper
252 100
253 21.9 20.7 31.1
125 10.1 11.8 17.6#



#40
Dibenzo(a,h)anthracene
Concen: 10.89 ng
RT: 25.745 min Scan# 3207
Delta R.T. 0.006 min
Lab File: BN014358.D
Acq: 21 Apr 2021 16:51

Tgt Ion:278 Resp: 770373
Ion Ratio Lower Upper
278 100
139 15.6 13.3 19.9
279 23.4 20.2 30.2





#41
Benzo(g,h,i)perylene
Concen: 34.94 ng
RT: 26.419 min Scan# 3404
Delta R.T. 0.009 min
Lab File: BN014358.D
Acq: 21 Apr 2021 16:51

Instrument :
BNA_N
ClientSampleId :
38072-033121DL

Tgt Ion:276 Resp: 2613673
Ion Ratio Lower Upper
276 100
277 24.0 19.1 28.7
138 19.8 16.7 25.1

