

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN032921\
 Data File : BN014130.D
 Acq On : 29 Mar 2021 15:01
 Operator : CG/JU
 Sample : M1557-05
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PT-BN-WP

Quant Time: Mar 29 15:31:29 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN032621.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 29 12:24:58 2021
 Response via : Initial Calibration

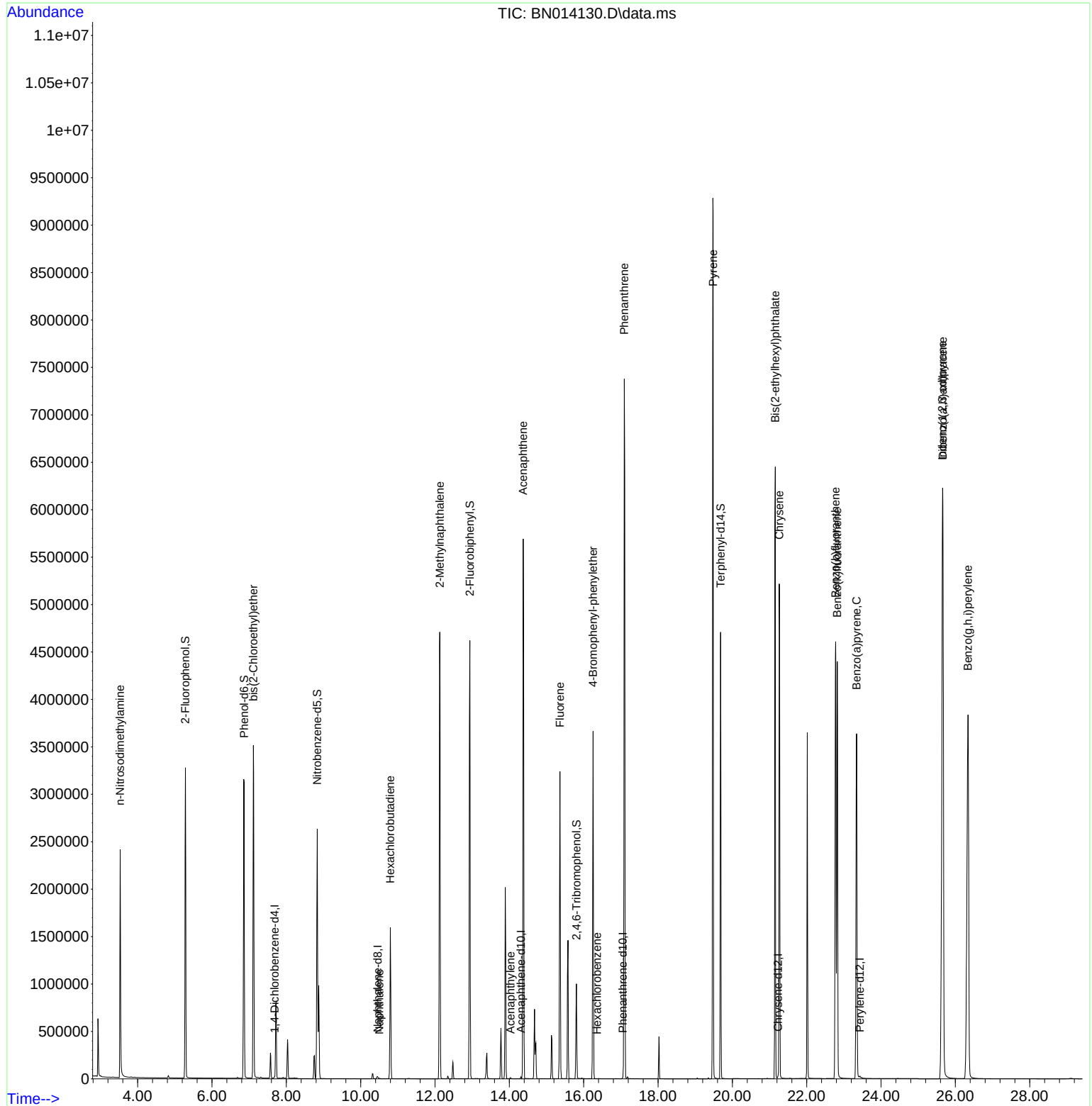
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.684	152	6170	0.40	ng	0.00
7) Naphthalene-d8	10.454	136	21334	0.40	ng	# 0.00
13) Acenaphthene-d10	14.308	164	11043	0.40	ng	0.00
19) Phenanthrene-d10	17.055	188	22234	0.40	ng	# 0.01
29) Chrysene-d12	21.229	240	23120	0.40	ng	# 0.00
36) Perylene-d12	23.431	264	21624	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.284	112	2329085	147.11	ng	0.00
5) Phenol-d6	6.863	99	2937379	146.25	ng	0.00
8) Nitrobenzene-d5	8.832	82	1975651	136.21	ng	0.00
11) 2-Methylnaphthalene-d10	0.000	152	0d	0.00	ng	
14) 2,4,6-Tribromophenol	15.805	330	730351	205.78	ng	0.00
15) 2-Fluorobiphenyl	12.938	172	4289436	103.49	ng	0.00
27) Fluoranthene-d10	0.000	212	0d	0.00	ng	
31) Terphenyl-d14	19.685	244	4848116	91.05	ng	0.00
Target Compounds						Qvalue
3) n-Nitrosodimethylamine	3.528	42	1216702	198.94	ng	98
6) bis(2-Chloroethyl)ether	7.112	93	2492034	155.71	ng	98
9) Naphthalene	10.505	128	7691	0.15	ng	99
10) Hexachlorobutadiene	10.796	225	1257114	130.40	ng	# 100
12) 2-Methylnaphthalene	12.128	142	3499279	101.56	ng	97
16) Acenaphthylene	14.029	152	11886	0.28	ng	100
17) Acenaphthene	14.371	154	3157764	103.32	ng	97
18) Fluorene	15.361	166	28019	0.76	ng	# 87
21) 4-Bromophenyl-phenylether	16.252	248	1722070	150.51	ng	95
22) Hexachlorobenzene	16.362	284	273	0.02	ng	# 85
25) Phenanthrene	17.092	178	8510788	142.59	ng	98
30) Pyrene	19.481	202	8597794	114.01	ng	97
33) Chrysene	21.260	228	4744175	66.97	ng	99
34) Bis(2-ethylhexyl)phtha...	21.154	149	6398006	327.23	ng	95
35) Indeno(1,2,3-cd)pyrene	25.652	276	6474718	88.06	ng	97
37) Benzo(b)fluoranthene	22.777	252	6368317	83.51	ng	95
38) Benzo(k)fluoranthene	22.822	252	5230652	70.20	ng	95
39) Benzo(a)pyrene	23.342	252	5281534	80.70	ng	# 92
40) Dibenzo(a,h)anthracene	25.663	278	6532311	97.06	ng	97
41) Benzo(g,h,i)perylene	26.340	276	8639621	120.81	ng	99

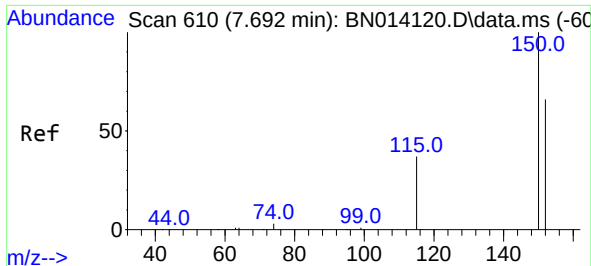
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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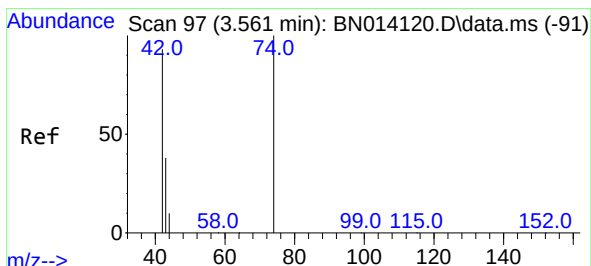
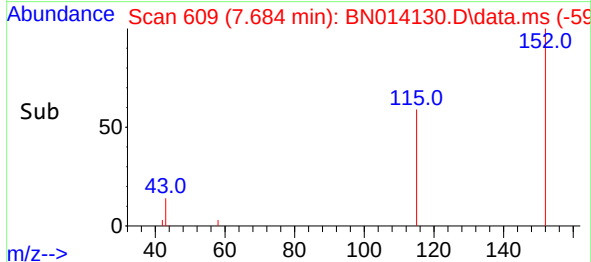
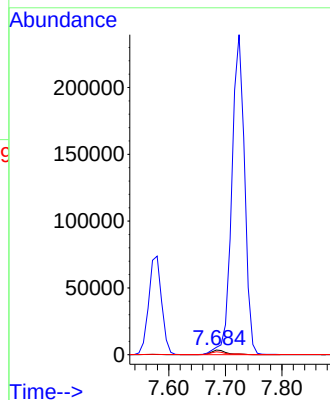
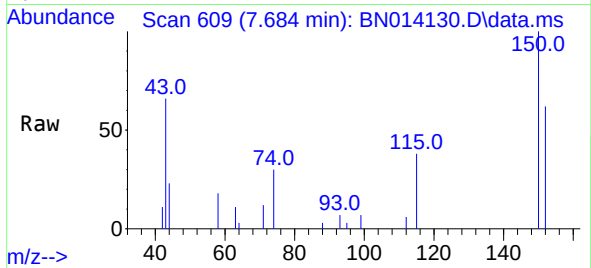




#1
1,4-Dichlorobenzene-d4
Concen: 0.40 ng
RT: 7.684 min Scan# 609
Delta R.T. 0.000 min
Lab File: BN014130.D
Acq: 29 Mar 2021 15:01

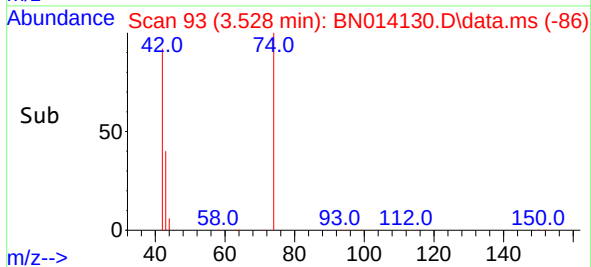
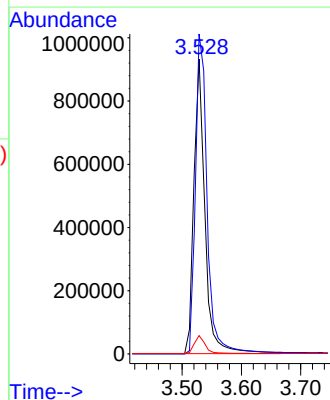
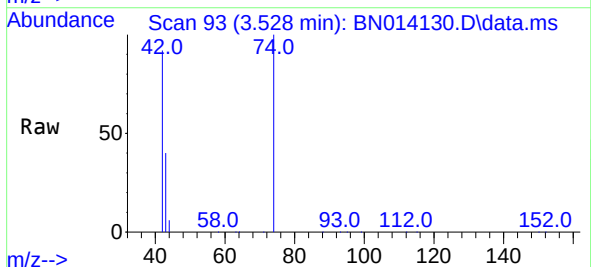
Instrument :
BNA_N
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PT-BN-WP

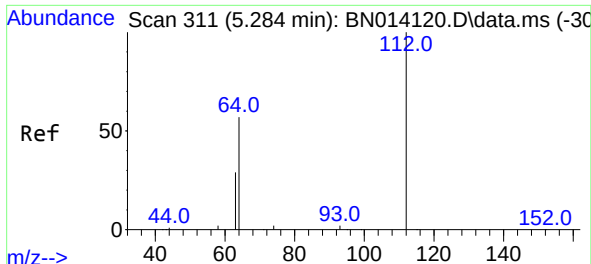
Tgt Ion: 152 Resp: 6170
Ion Ratio Lower Upper
152 100
150 160.3 121.2 181.8
115 61.6 46.2 69.2



#3
n-Nitrosodimethylamine
Concen: 198.94 ng
RT: 3.528 min Scan# 93
Delta R.T. -0.040 min
Lab File: BN014130.D
Acq: 29 Mar 2021 15:01

Tgt Ion: 42 Resp: 1216702
Ion Ratio Lower Upper
42 100
74 115.9 94.6 141.8
44 6.0 4.2 6.2

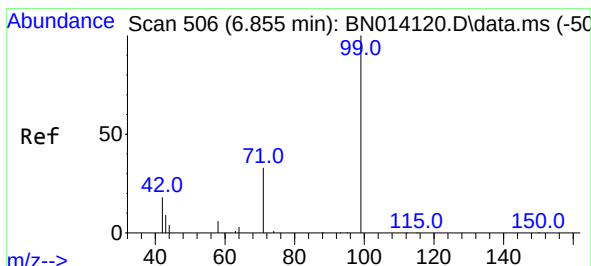
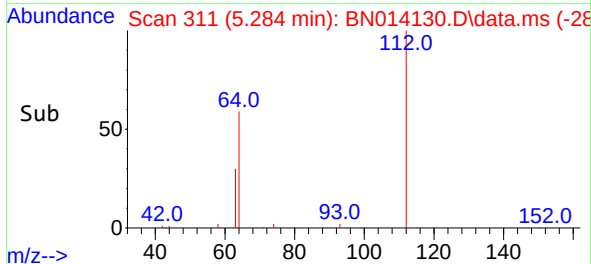
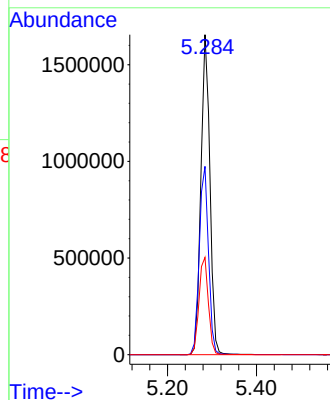
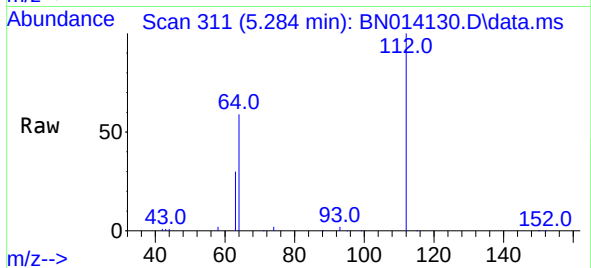




#4
2-Fluorophenol
Concen: 147.11 ng
RT: 5.284 min Scan# 311
Delta R.T. -0.000 min
Lab File: BN014130.D
Acq: 29 Mar 2021 15:01

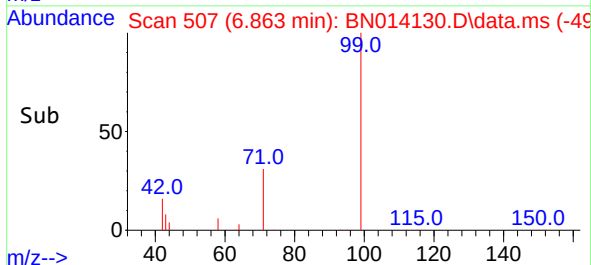
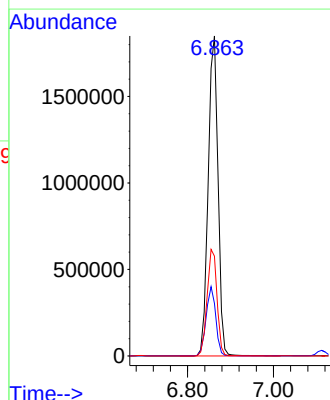
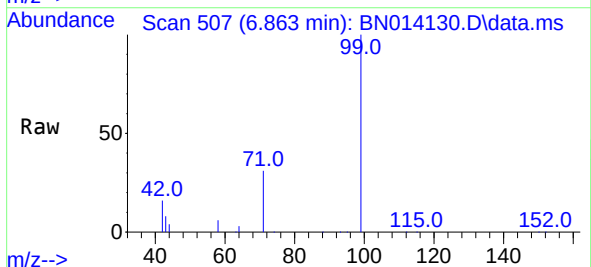
Instrument :
BNA_N
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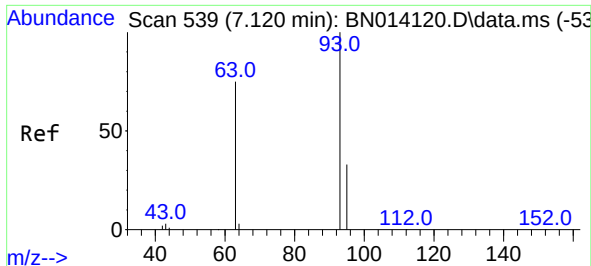
Tgt Ion:112 Resp: 2329085
Ion Ratio Lower Upper
112 100
64 60.5 48.3 72.5
63 31.8 25.4 38.0



#5
Phenol-d6
Concen: 146.25 ng
RT: 6.863 min Scan# 507
Delta R.T. 0.008 min
Lab File: BN014130.D
Acq: 29 Mar 2021 15:01

Tgt Ion: 99 Resp: 2937379
Ion Ratio Lower Upper
99 100
42 21.3 18.2 27.4
71 33.8 26.7 40.1



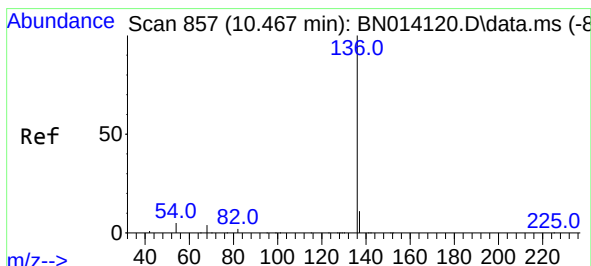
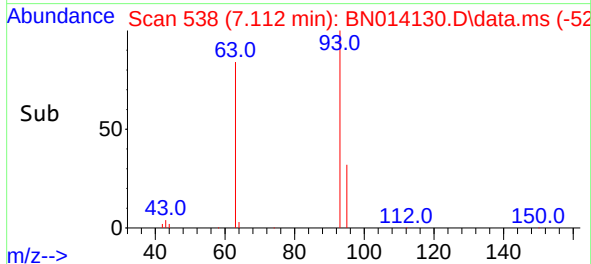
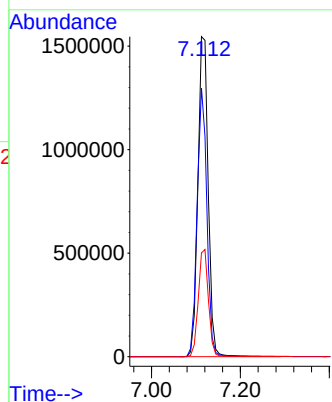
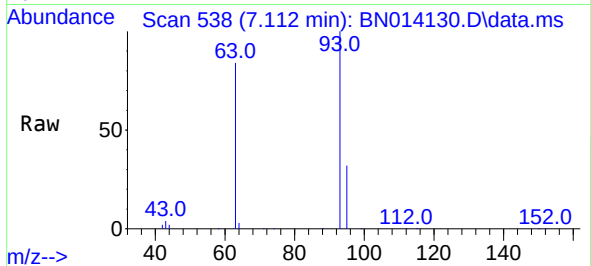


#6
bis(2-Chloroethyl)ether
Concen: 155.71 ng
RT: 7.112 min Scan# 538
Delta R.T. -0.008 min
Lab File: BN014130.D
Acq: 29 Mar 2021 15:01

Instrument :
BNA_N
ClientSampleId :
PT-BN-WP

Tgt Ion: 93 Resp: 2492034

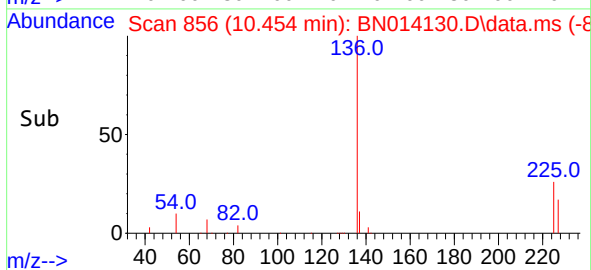
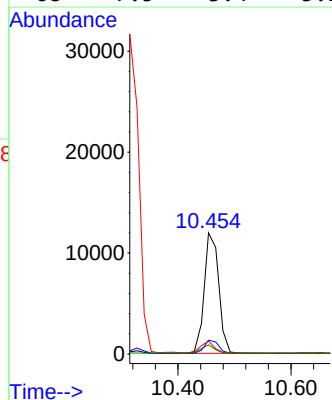
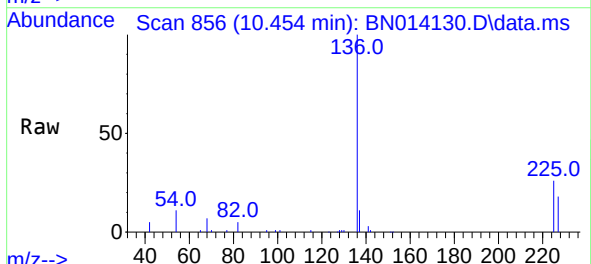
Ion	Ratio	Lower	Upper
93	100		
63	79.4	65.1	97.7
95	33.0	26.6	39.8

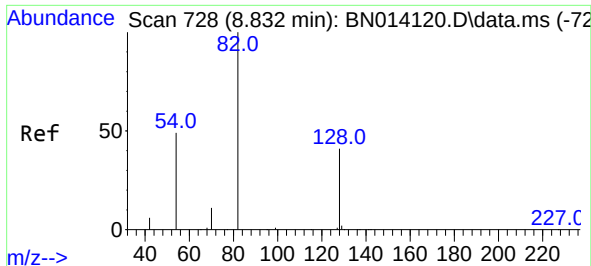


#7
Naphthalene-d8
Concen: 0.40 ng
RT: 10.454 min Scan# 856
Delta R.T. -0.000 min
Lab File: BN014130.D
Acq: 29 Mar 2021 15:01

Tgt Ion:136 Resp: 21334

Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.1	13.7
54	10.7	4.3	6.5#
68	7.5	3.4	5.2#

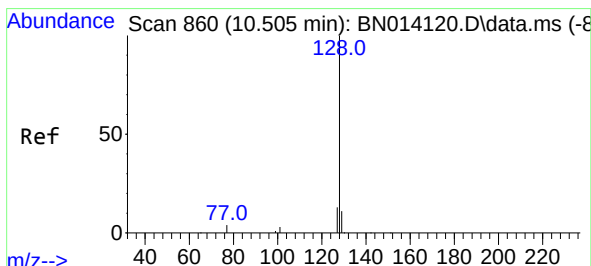
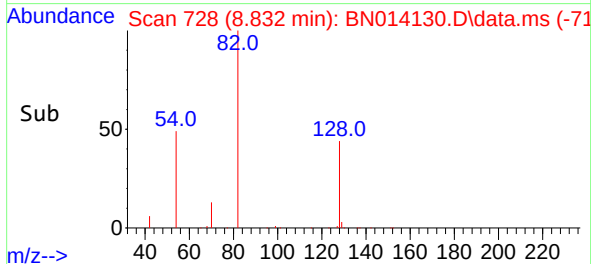
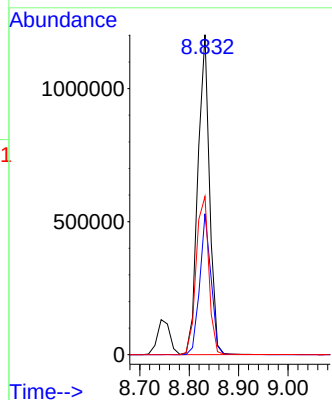
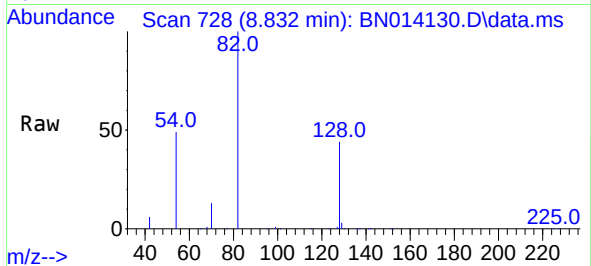




#8
Nitrobenzene-d5
Concen: 136.21 ng
RT: 8.832 min Scan# 728
Delta R.T. -0.000 min
Lab File: BN014130.D
Acq: 29 Mar 2021 15:01

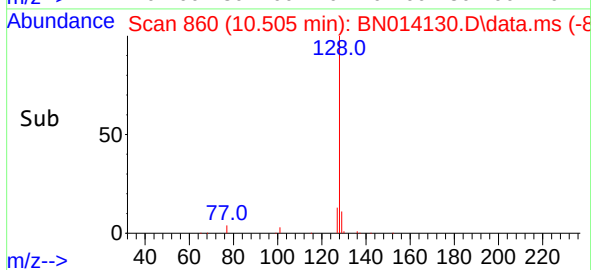
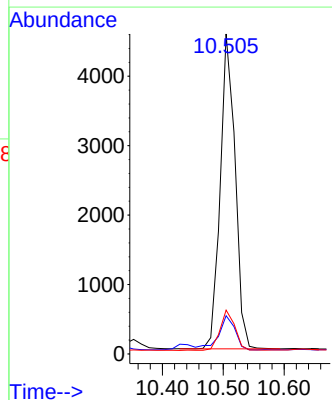
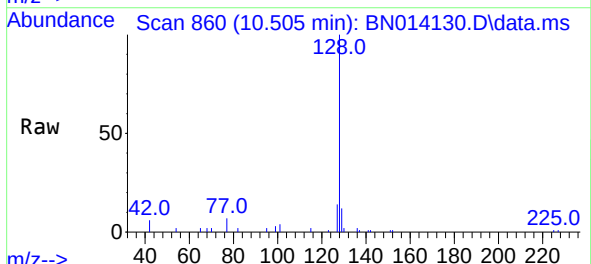
Instrument :
BNA_N
ClientSampleId :
PT-BN-WP

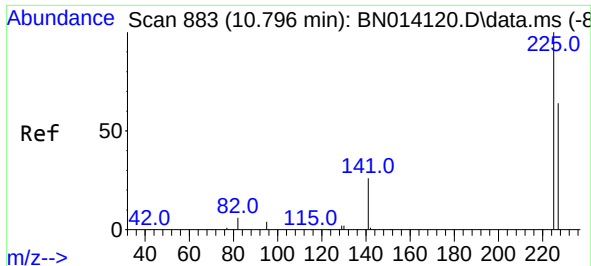
Tgt Ion: 82 Resp: 1975651
Ion Ratio Lower Upper
82 100
128 44.0 33.5 50.3
54 49.5 40.3 60.5



#9
Naphthalene
Concen: 0.15 ng
RT: 10.505 min Scan# 860
Delta R.T. -0.000 min
Lab File: BN014130.D
Acq: 29 Mar 2021 15:01

Tgt Ion: 128 Resp: 7691
Ion Ratio Lower Upper
128 100
129 11.9 9.2 13.8
127 13.7 10.8 16.2

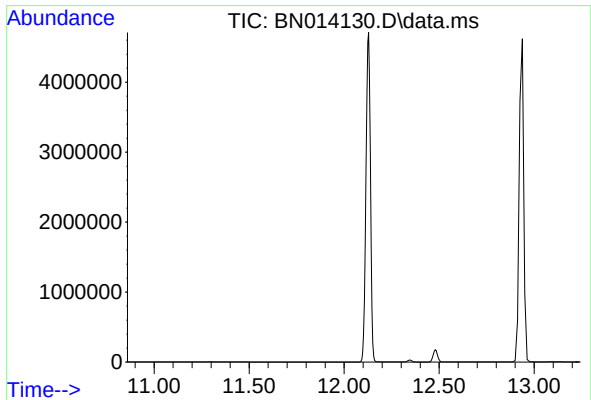
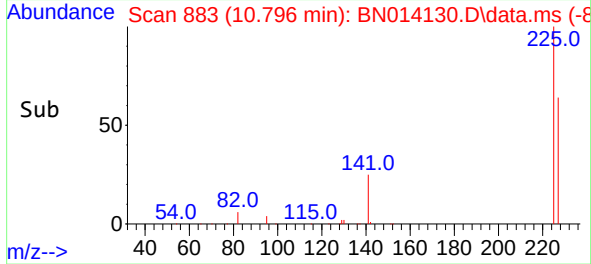
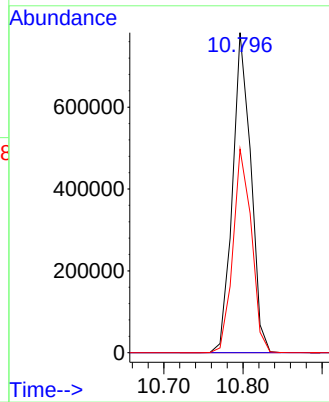
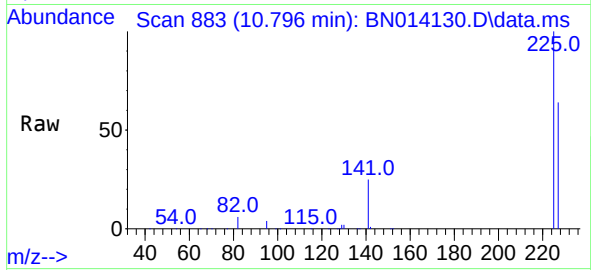




#10
Hexachlorobutadiene
Concen: 130.40 ng
RT: 10.796 min Scan# 883
Delta R.T. -0.000 min
Lab File: BN014130.D
Acq: 29 Mar 2021 15:01

Instrument :
BNA_N
ClientSampleId :
PT-BN-WP

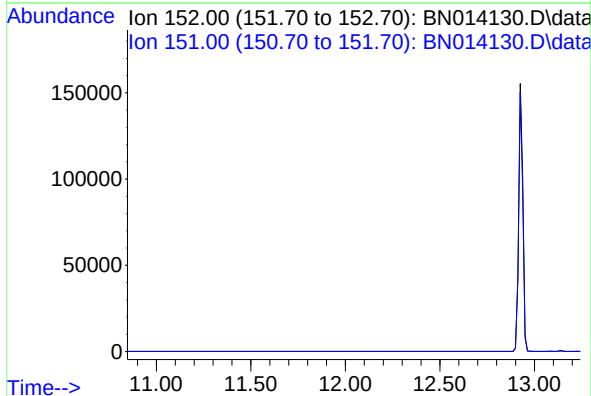
Tgt Ion:225 Resp: 1257114
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 64.4 51.6 77.4

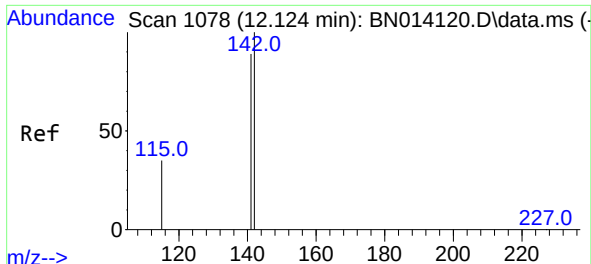


#11
2-Methylnaphthalene-d10
Concen: 0.00 ng
Expected RT: 12.05 min

Lab File: BN014130.D
Acq: 29 Mar 2021 15:01

Tgt Ion: 152
Sig Exp Ratio
152 100
151 20.1



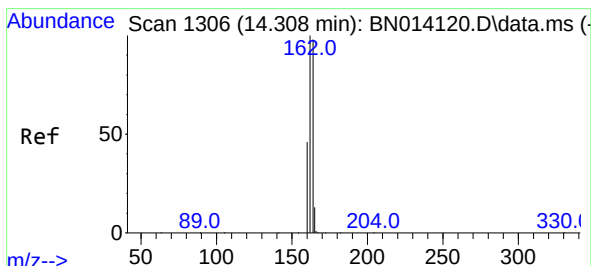
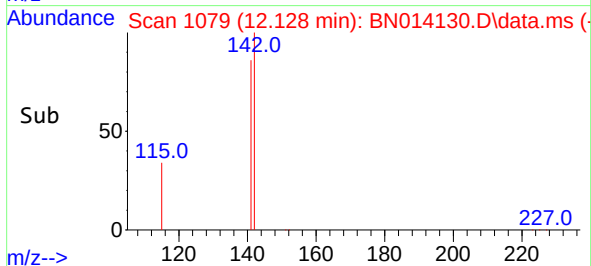
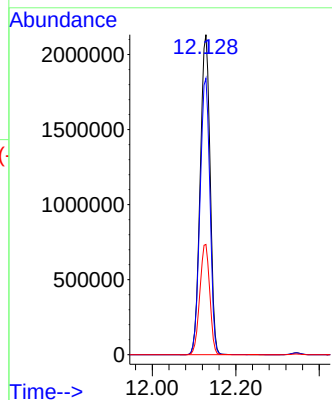
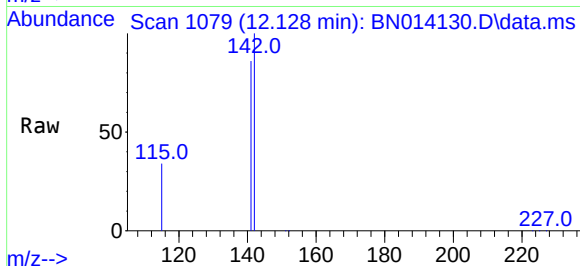


#12
2-Methylnaphthalene
Concen: 101.56 ng
RT: 12.128 min Scan# 1079
Delta R.T. 0.004 min
Lab File: BN014130.D
Acq: 29 Mar 2021 15:01

Instrument :
BNA_N
ClientSampleId :
PT-BN-WP

Tgt Ion:142 Resp: 3499279

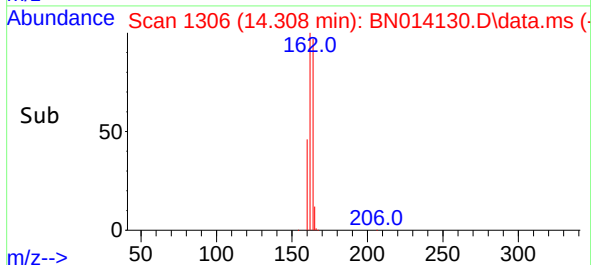
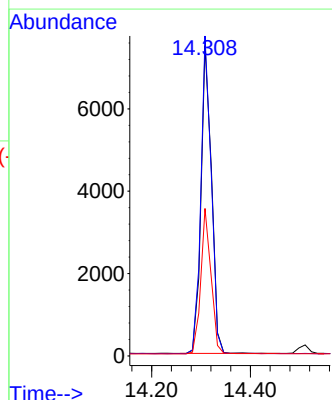
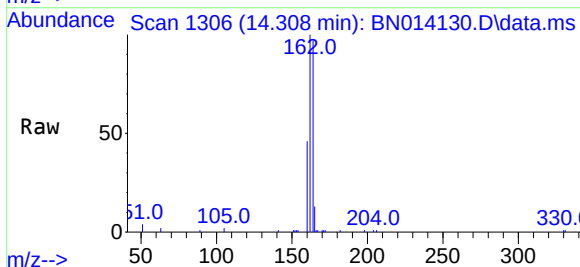
Ion	Ratio	Lower	Upper
142	100		
141	86.4	71.1	106.7
115	34.5	29.0	43.6

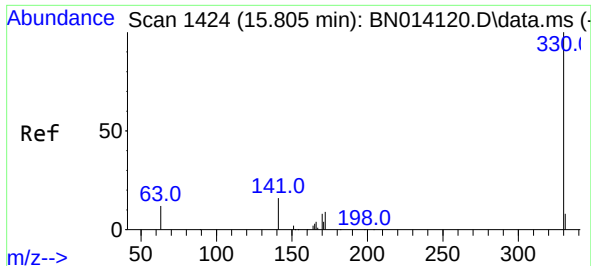


#13
Acenaphthene-d10
Concen: 0.40 ng
RT: 14.308 min Scan# 1306
Delta R.T. -0.000 min
Lab File: BN014130.D
Acq: 29 Mar 2021 15:01

Tgt Ion:164 Resp: 11043

Ion	Ratio	Lower	Upper
164	100		
162	103.1	81.4	122.2
160	47.5	37.5	56.3

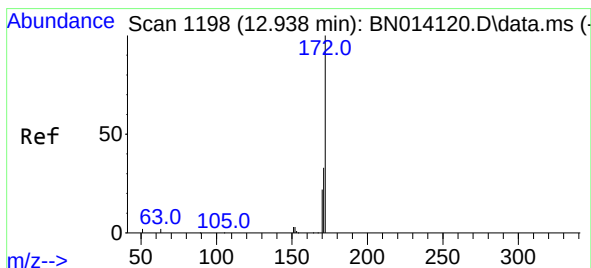
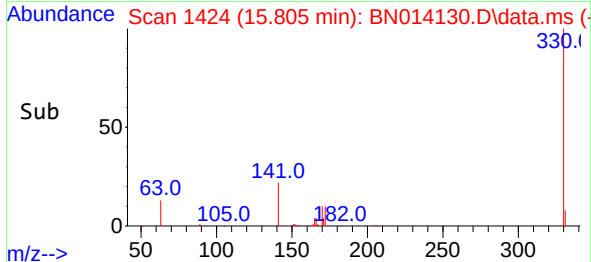
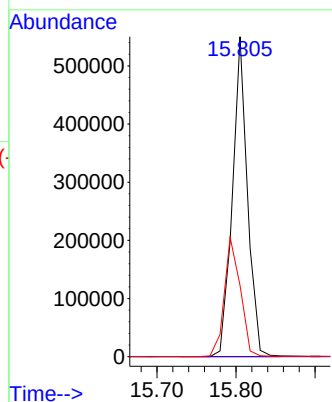
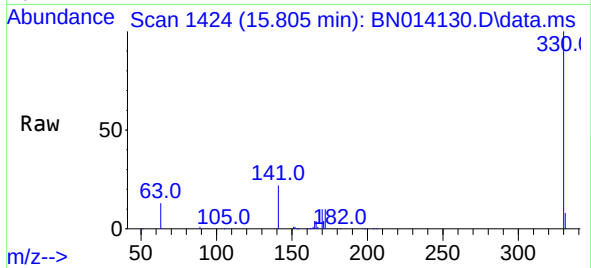




#14
2,4,6-Tribromophenol
Concen: 205.78 ng
RT: 15.805 min Scan# 1424
Delta R.T. -0.000 min
Lab File: BN014130.D
Acq: 29 Mar 2021 15:01

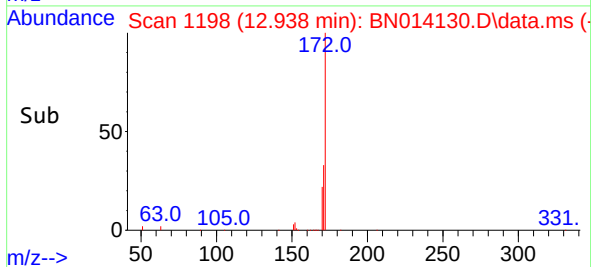
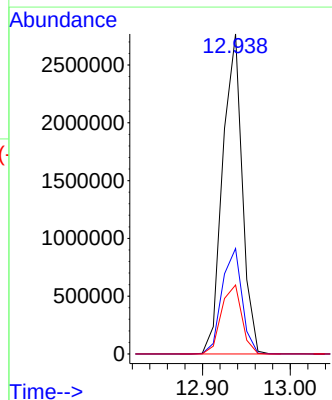
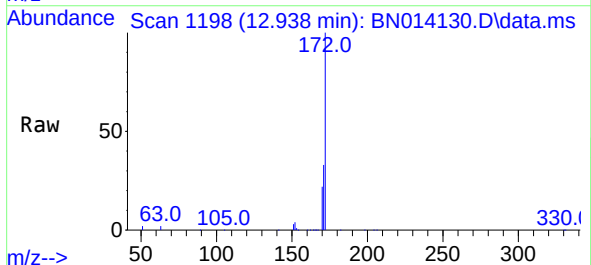
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ClientSampleId :
PT-BN-WP

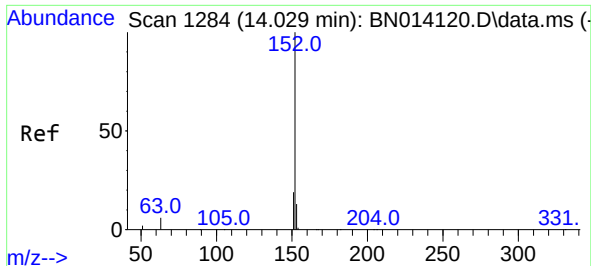
Tgt Ion:330 Resp: 730351
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 39.6 31.2 46.8



#15
2-Fluorobiphenyl
Concen: 103.49 ng
RT: 12.938 min Scan# 1198
Delta R.T. -0.000 min
Lab File: BN014130.D
Acq: 29 Mar 2021 15:01

Tgt Ion:172 Resp: 4289436
Ion Ratio Lower Upper
172 100
171 33.0 26.9 40.3
170 21.6 17.8 26.8

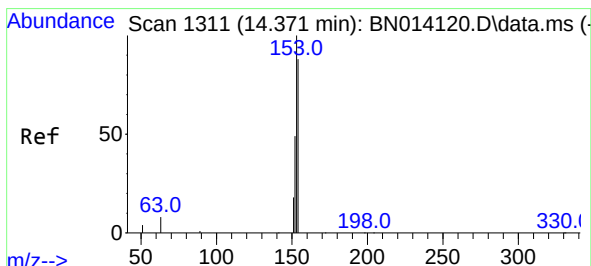
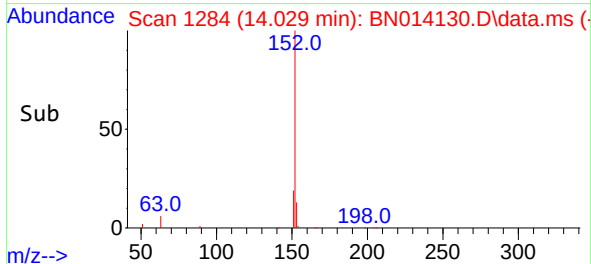
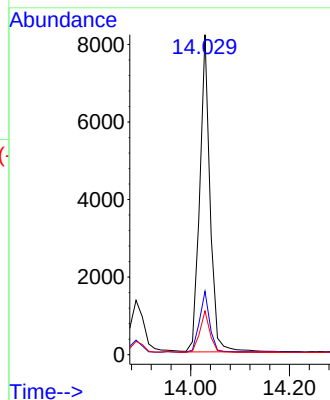
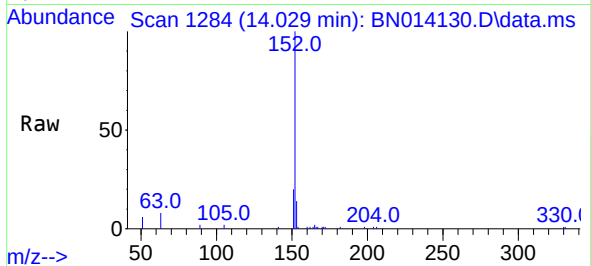




#16
Acenaphthylene
Concen: 0.28 ng
RT: 14.029 min Scan# 1284
Delta R.T. -0.000 min
Lab File: BN014130.D
Acq: 29 Mar 2021 15:01

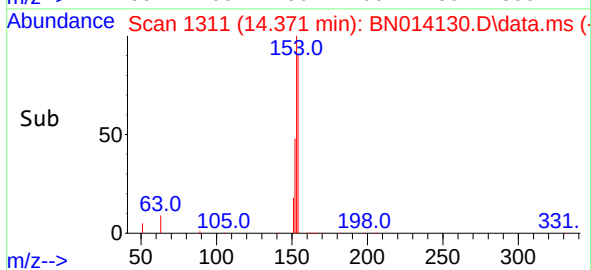
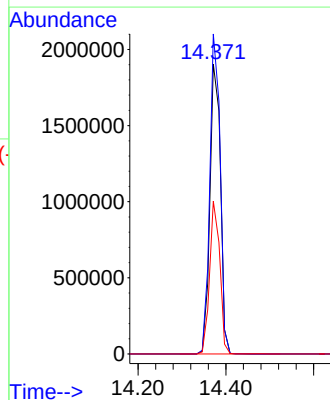
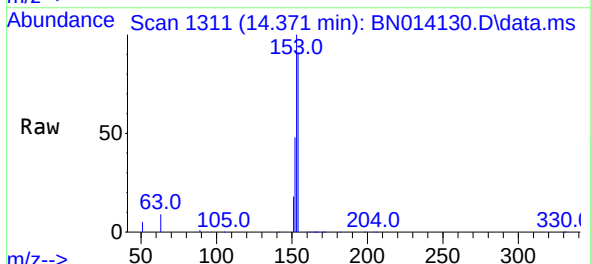
Instrument :
BNA_N
ClientSampleId :
PT-BN-WP

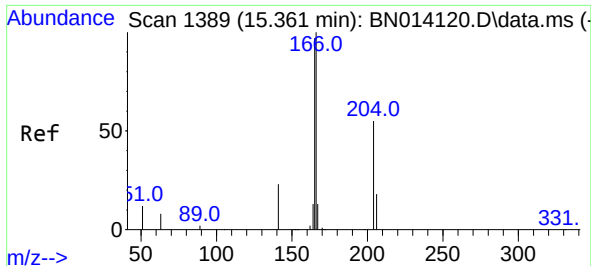
Tgt Ion:	152	Resp:	11886
Ion	Ratio	Lower	Upper
152	100		
151	19.3	15.4	23.2
153	12.9	10.3	15.5



#17
Acenaphthene
Concen: 103.32 ng
RT: 14.371 min Scan# 1311
Delta R.T. -0.000 min
Lab File: BN014130.D
Acq: 29 Mar 2021 15:01

Tgt Ion:	154	Resp:	3157764
Ion	Ratio	Lower	Upper
154	100		
153	108.8	89.0	133.4
152	51.0	43.1	64.7

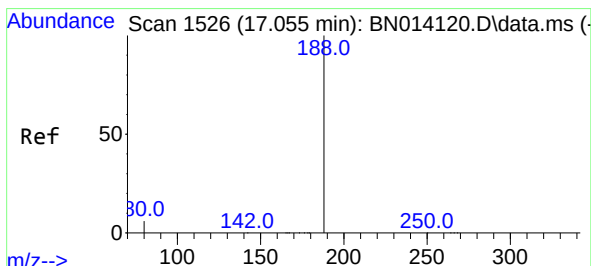
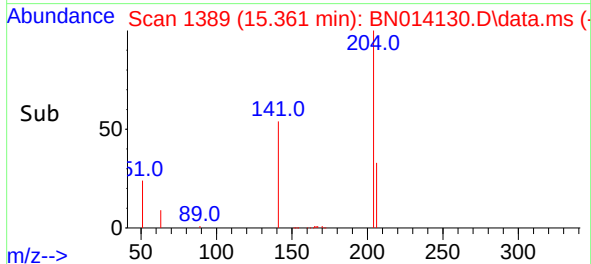
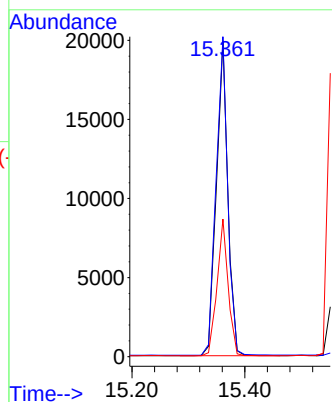
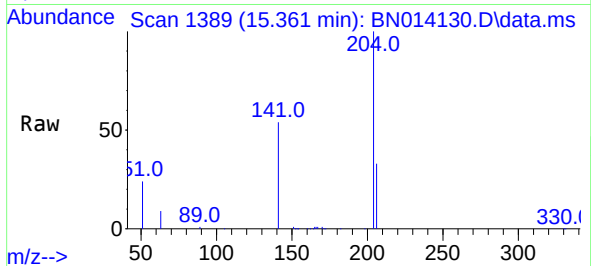




#18
Fluorene
Concen: 0.76 ng
RT: 15.361 min Scan# 1389
Delta R.T. -0.000 min
Lab File: BN014130.D
Acq: 29 Mar 2021 15:01

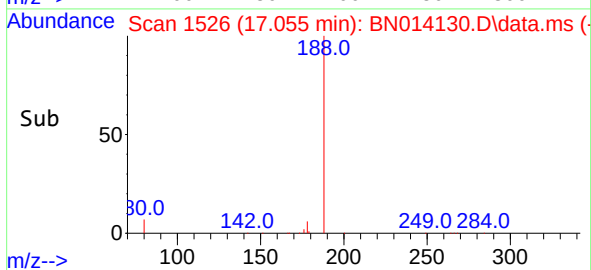
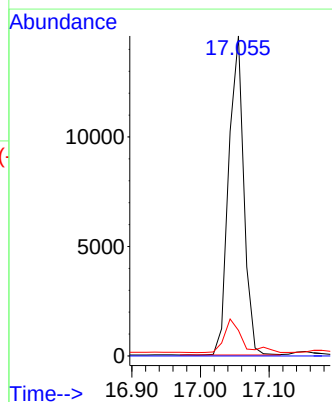
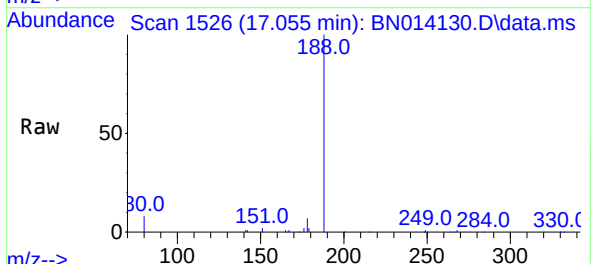
Instrument :
BNA_N
ClientSampleId :
PT-BN-WP

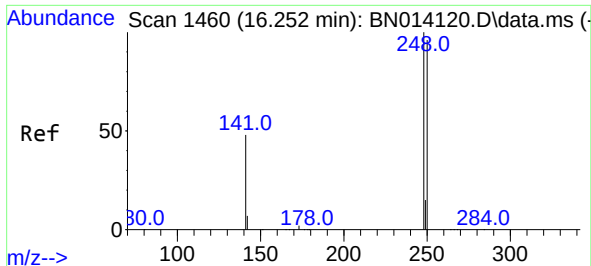
Tgt Ion:166 Resp: 28019
Ion Ratio Lower Upper
166 100
165 102.2 77.9 116.9
167 41.9 10.6 16.0#



#19
Phenanthrene-d10
Concen: 0.40 ng
RT: 17.055 min Scan# 1526
Delta R.T. 0.013 min
Lab File: BN014130.D
Acq: 29 Mar 2021 15:01

Tgt Ion:188 Resp: 22234
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 8.0 5.2 7.8#

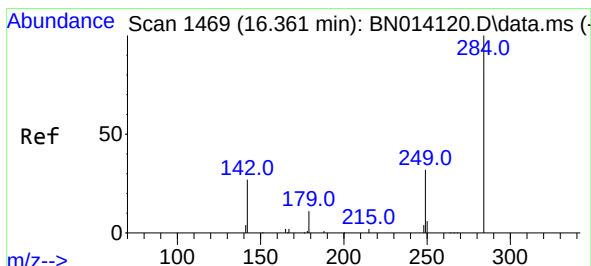
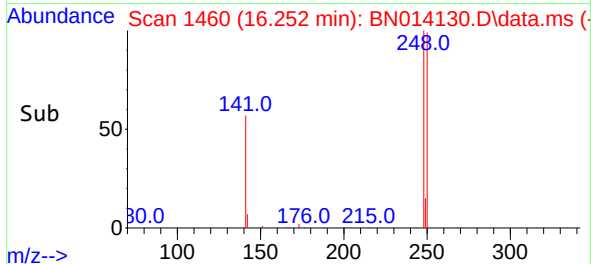
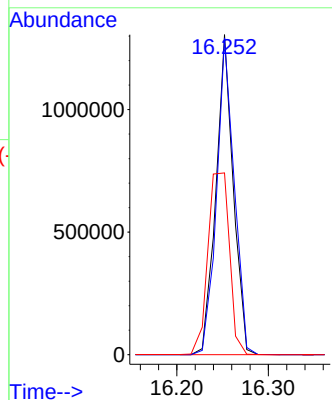
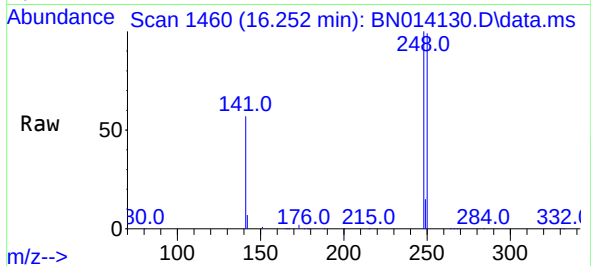




#21
4-Bromophenyl-phenylether
Concen: 150.51 ng
RT: 16.252 min Scan# 1460
Delta R.T. 0.000 min
Lab File: BN014130.D
Acq: 29 Mar 2021 15:01

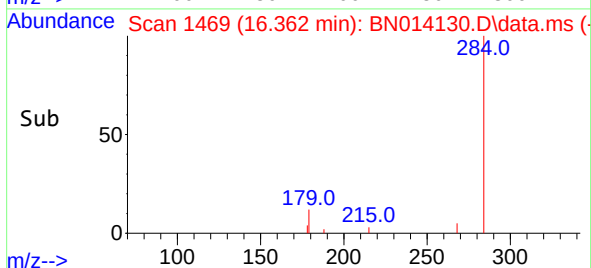
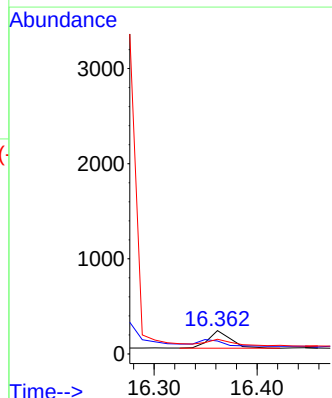
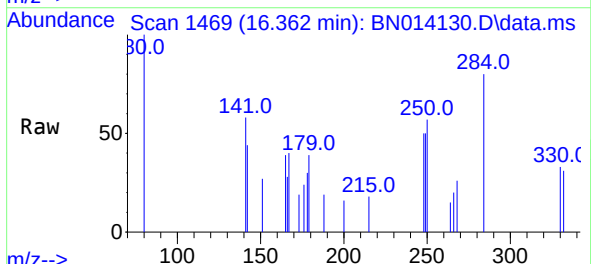
Instrument :
BNA_N
ClientSampleId :
PT-BN-WP

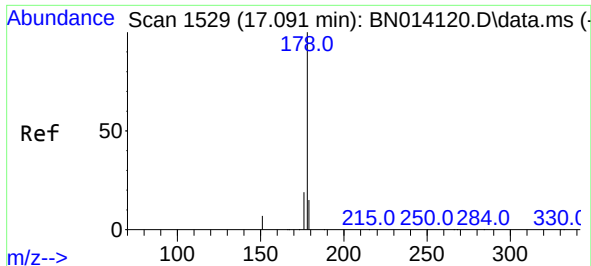
Tgt Ion:248 Resp: 1722070
Ion Ratio Lower Upper
248 100
250 99.0 77.0 115.6
141 56.8 39.7 59.5



#22
Hexachlorobenzene
Concen: 0.02 ng
RT: 16.362 min Scan# 1469
Delta R.T. 0.000 min
Lab File: BN014130.D
Acq: 29 Mar 2021 15:01

Tgt Ion:284 Resp: 273
Ion Ratio Lower Upper
284 100
142 45.4 29.2 43.8#
249 39.6 24.7 37.1#

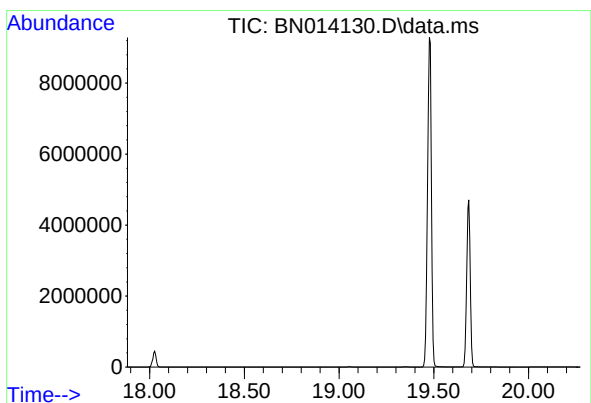
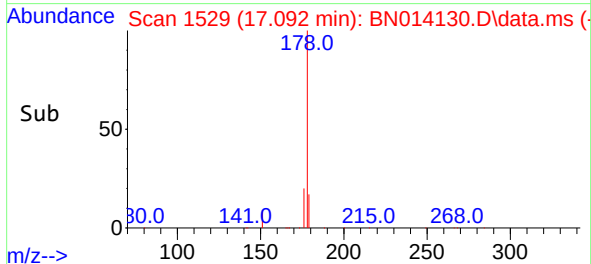
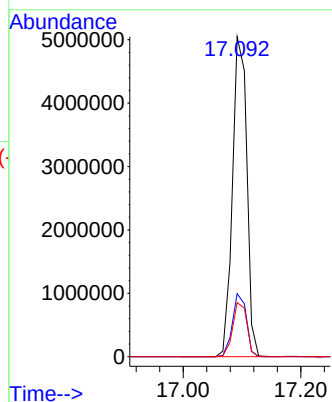
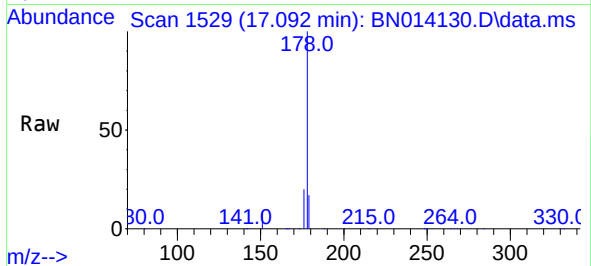




#25
Phenanthrene
Concen: 142.59 ng
RT: 17.092 min Scan# 1529
Delta R.T. 0.000 min
Lab File: BN014130.D
Acq: 29 Mar 2021 15:01

Instrument :
BNA_N
ClientSampleId :
PT-BN-WP

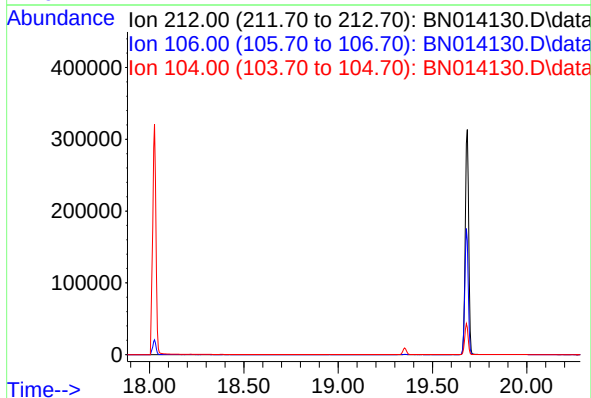
Tgt Ion:178 Resp: 8510788
Ion Ratio Lower Upper
178 100
176 19.2 15.0 22.6
179 16.7 12.4 18.6

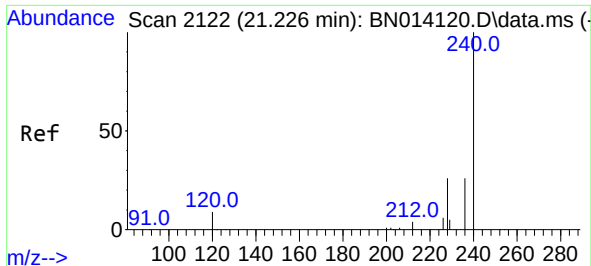


#27
Fluoranthene-d10
Concen: 0.00 ng
Expected RT: 19.08 min

Lab File: BN014130.D
Acq: 29 Mar 2021 15:01

Tgt Ion: 212
Sig Exp Ratio
212 100
106 12.6
104 6.9





#29

Chrysene-d12

Concen: 0.40 ng

RT: 21.229 min Scan# 2121

Delta R.T. 0.003 min

Lab File: BN014130.D

Acq: 29 Mar 2021 15:01

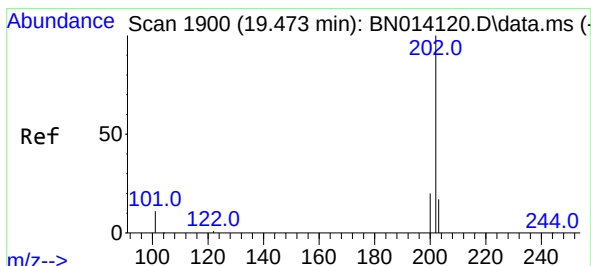
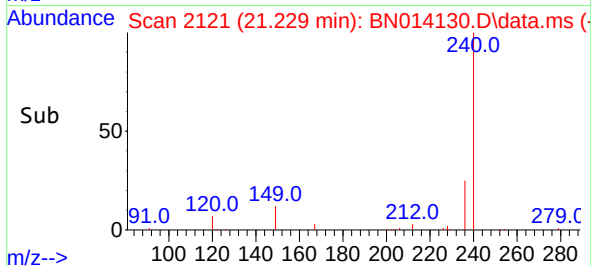
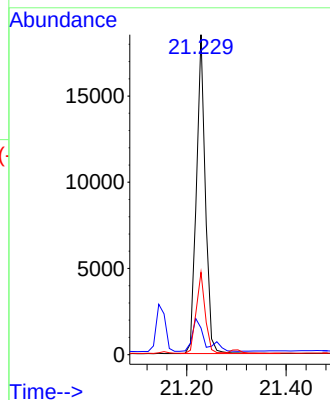
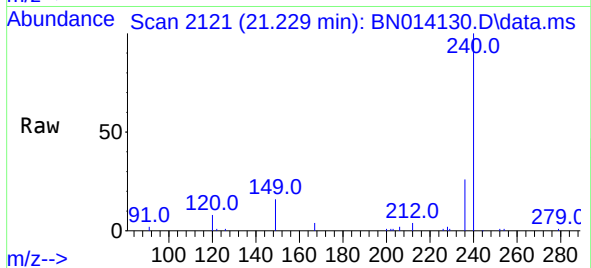
Tgt Ion:	240	Resp:	23120
Ion Ratio	Lower	Upper	
240	100		
120	8.4	8.4	12.6#
236	25.8	21.0	31.6

Instrument :

BNA_N

ClientSampleId :

PT-BN-WP



#30

Pyrene

Concen: 114.01 ng

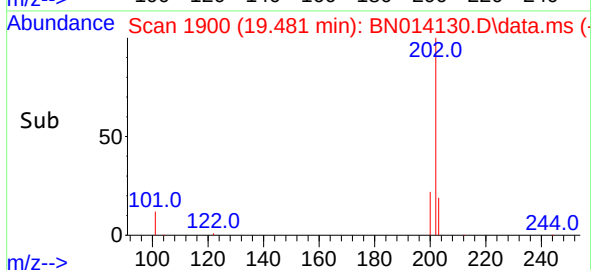
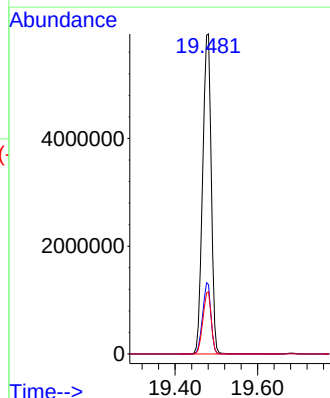
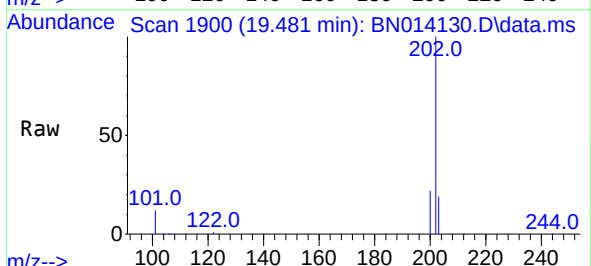
RT: 19.481 min Scan# 1900

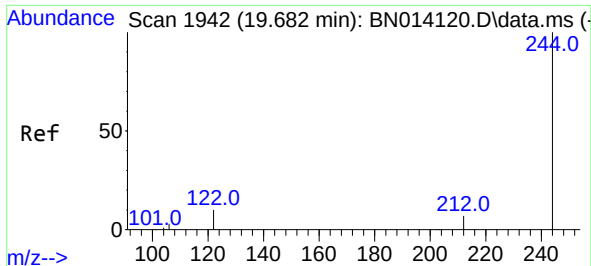
Delta R.T. 0.008 min

Lab File: BN014130.D

Acq: 29 Mar 2021 15:01

Tgt Ion:	202	Resp:	8597794
Ion Ratio	Lower	Upper	
202	100		
200	21.4	16.2	24.4
203	18.8	13.9	20.9

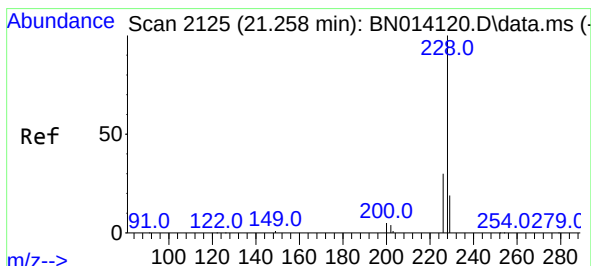
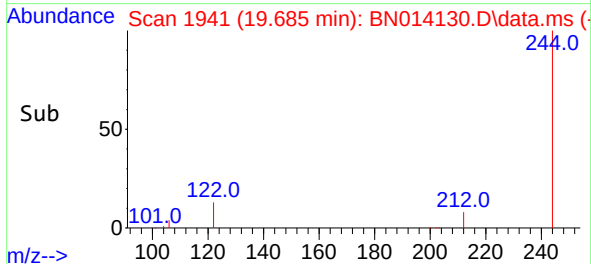
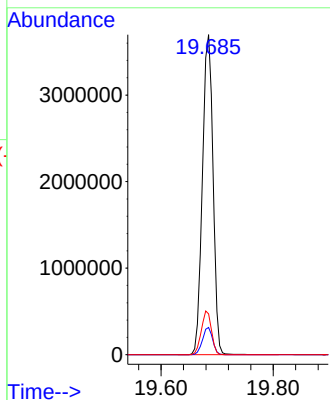
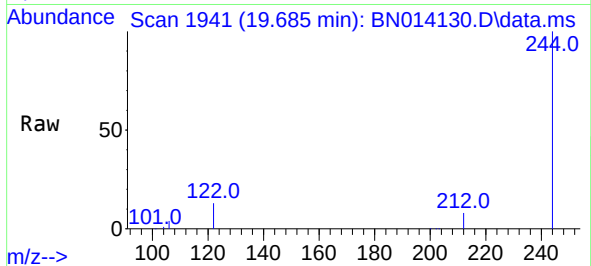




#31
Terphenyl-d14
Concen: 91.05 ng
RT: 19.685 min Scan# 1941
Delta R.T. 0.008 min
Lab File: BN014130.D
Acq: 29 Mar 2021 15:01

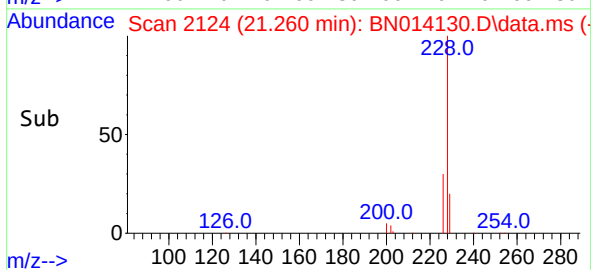
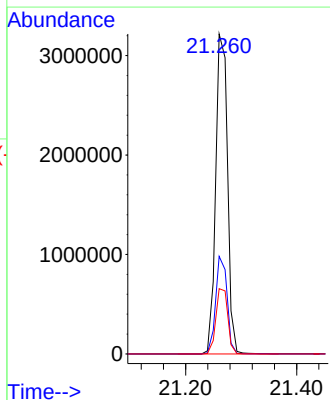
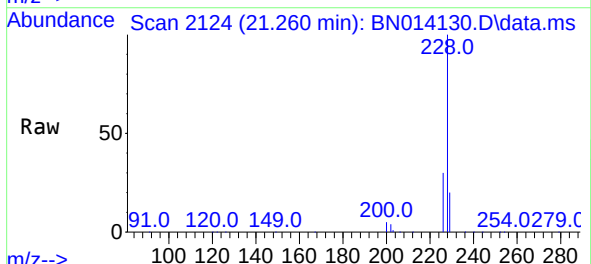
Instrument :
BNA_N
ClientSampleId :
PT-BN-WP

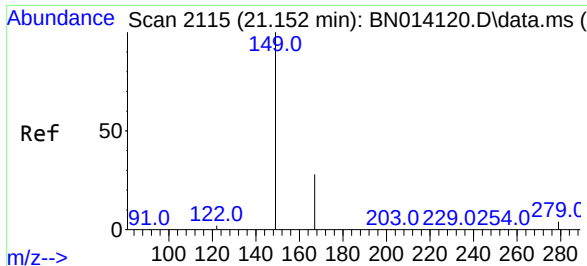
Tgt Ion:244 Resp: 4848116
Ion Ratio Lower Upper
244 100
212 8.5 6.0 9.0
122 12.8 8.6 13.0



#33
Chrysene
Concen: 66.97 ng
RT: 21.260 min Scan# 2124
Delta R.T. 0.003 min
Lab File: BN014130.D
Acq: 29 Mar 2021 15:01

Tgt Ion:228 Resp: 4744175
Ion Ratio Lower Upper
228 100
226 30.5 24.4 36.6
229 20.4 15.5 23.3

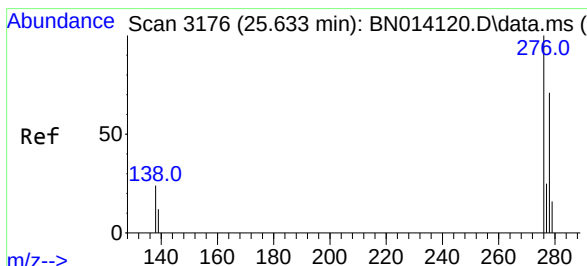
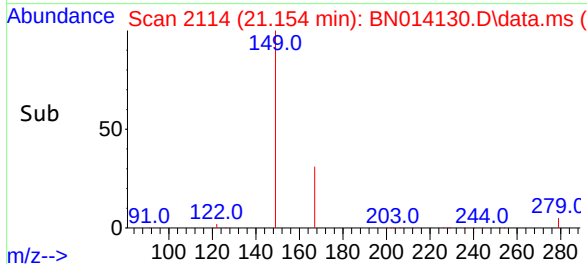
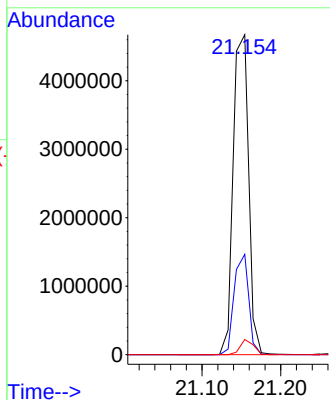
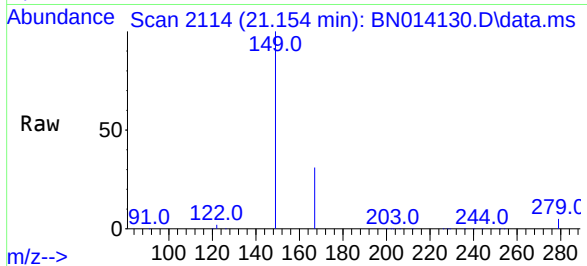




#34
Bis(2-ethylhexyl)phthalate
Concen: 327.23 ng
RT: 21.154 min Scan# 2114
Delta R.T. 0.013 min
Lab File: BN014130.D
Acq: 29 Mar 2021 15:01

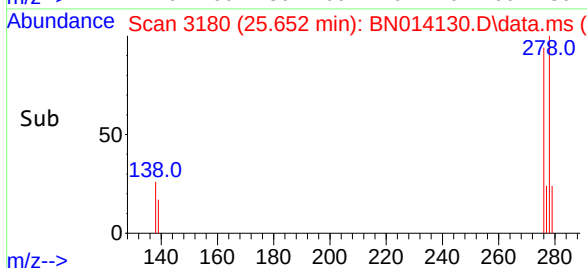
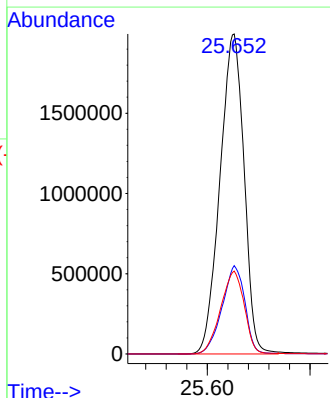
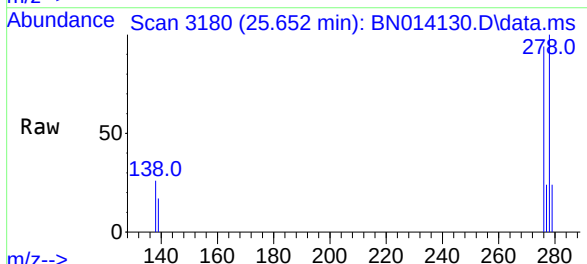
Instrument :
BNA_N
ClientSampleId :
PT-BN-WP

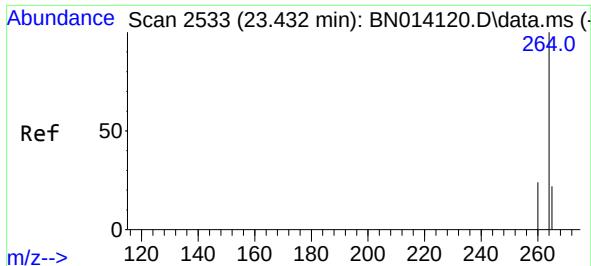
Tgt Ion:149 Resp: 6398006
Ion Ratio Lower Upper
149 100
167 29.6 21.4 32.2
279 4.1 3.5 5.3



#35
Indeno(1,2,3-cd)pyrene
Concen: 88.06 ng
RT: 25.652 min Scan# 3180
Delta R.T. 0.023 min
Lab File: BN014130.D
Acq: 29 Mar 2021 15:01

Tgt Ion:276 Resp: 6474718
Ion Ratio Lower Upper
276 100
138 26.1 19.4 29.2
277 25.5 19.8 29.6

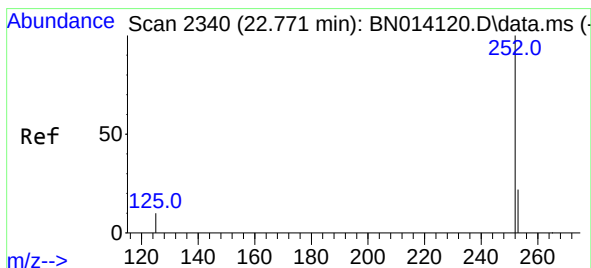
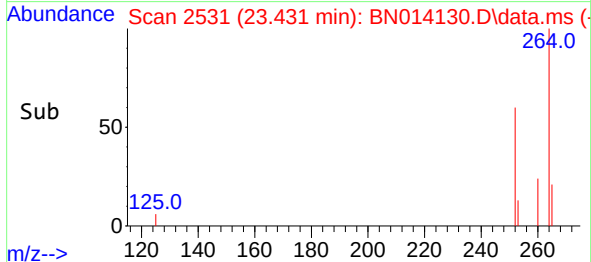
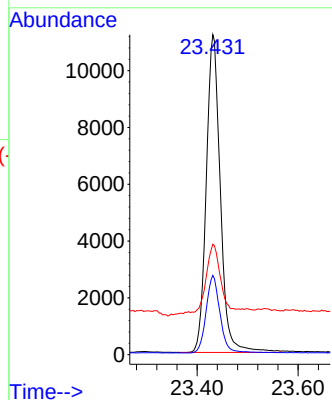
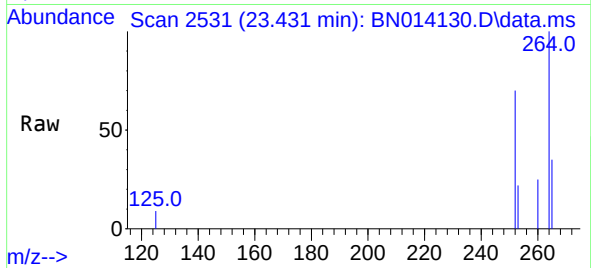




#36
Perylene-d12
Concen: 0.40 ng
RT: 23.431 min Scan# 2531
Delta R.T. 0.003 min
Lab File: BN014130.D
Acq: 29 Mar 2021 15:01

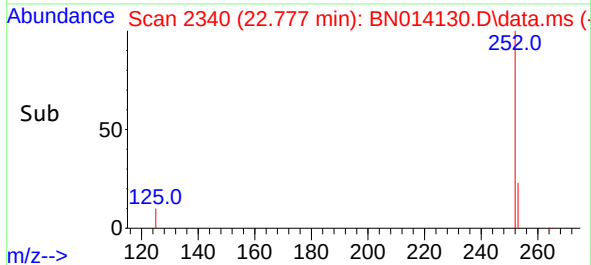
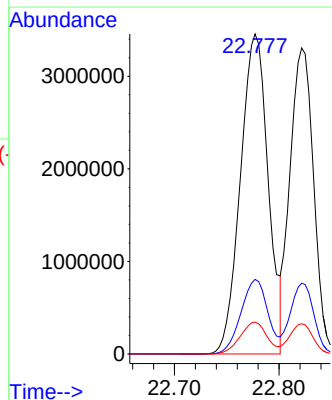
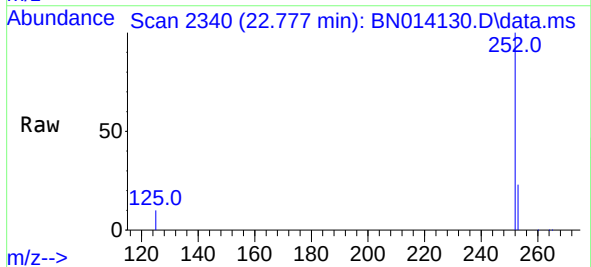
Instrument :
BNA_N
ClientSampleId :
PT-BN-WP

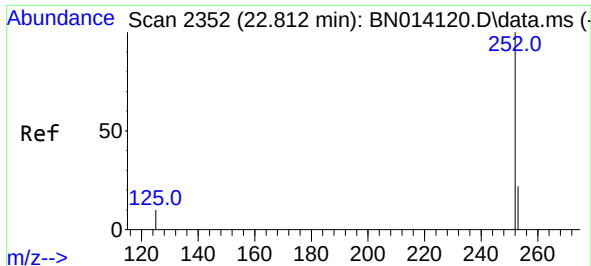
Tgt Ion:264 Resp: 21624
Ion Ratio Lower Upper
264 100
260 24.7 19.8 29.8
265 34.5 30.7 46.1



#37
Benzo(b)fluoranthene
Concen: 83.51 ng
RT: 22.777 min Scan# 2340
Delta R.T. 0.010 min
Lab File: BN014130.D
Acq: 29 Mar 2021 15:01

Tgt Ion:252 Resp: 6368317
Ion Ratio Lower Upper
252 100
253 23.3 20.6 30.8
125 10.0 9.4 14.2

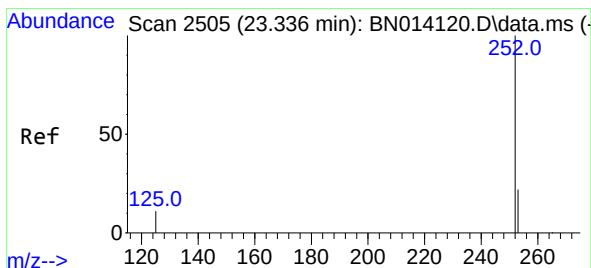
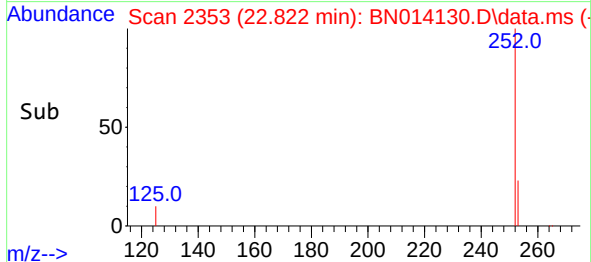
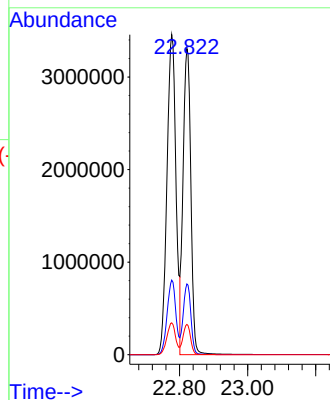
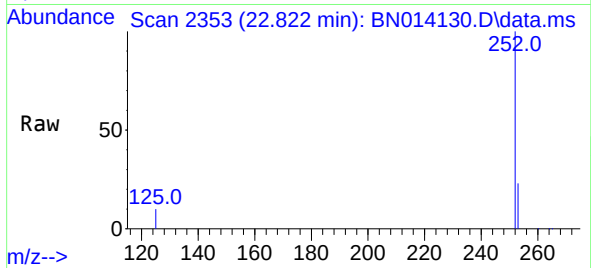




#38
Benzo(k)fluoranthene
Concen: 70.20 ng
RT: 22.822 min Scan# 2353
Delta R.T. 0.013 min
Lab File: BN014130.D
Acq: 29 Mar 2021 15:01

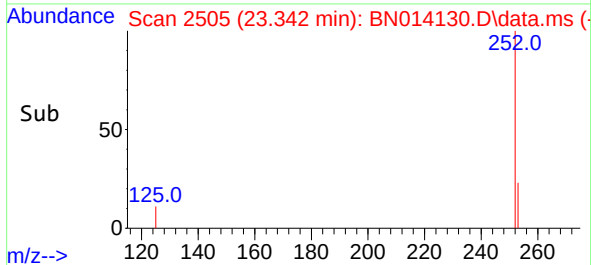
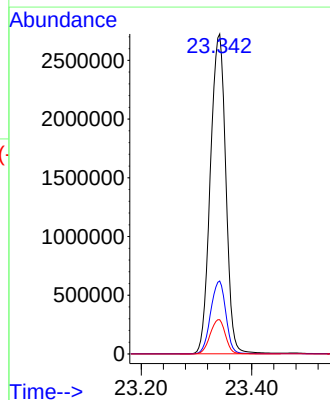
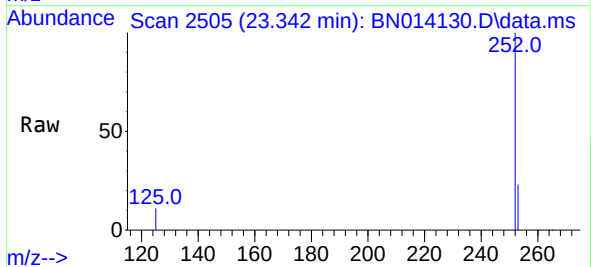
Instrument :
BNA_N
ClientSampleId :
PT-BN-WP

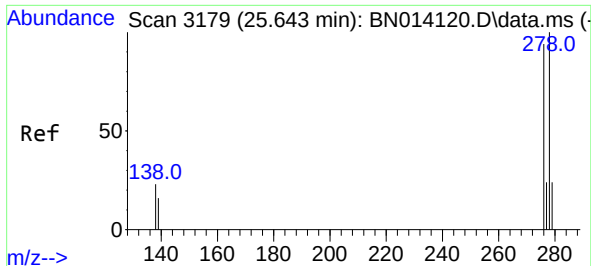
Tgt Ion:252 Resp: 5230652
Ion Ratio Lower Upper
252 100
253 23.1 20.6 30.8
125 9.9 9.5 14.3



#39
Benzo(a)pyrene
Concen: 80.70 ng
RT: 23.342 min Scan# 2505
Delta R.T. 0.013 min
Lab File: BN014130.D
Acq: 29 Mar 2021 15:01

Tgt Ion:252 Resp: 5281534
Ion Ratio Lower Upper
252 100
253 22.8 21.9 32.9
125 10.7 10.8 16.2#

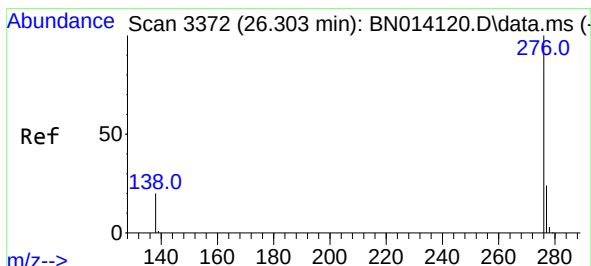
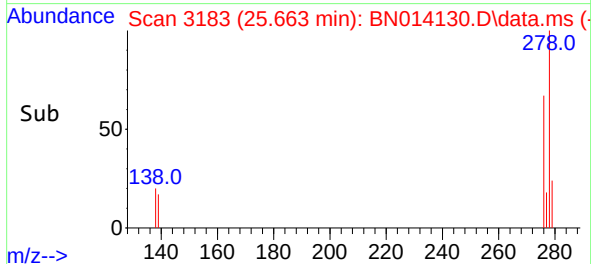
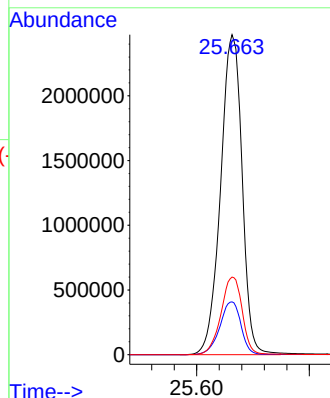
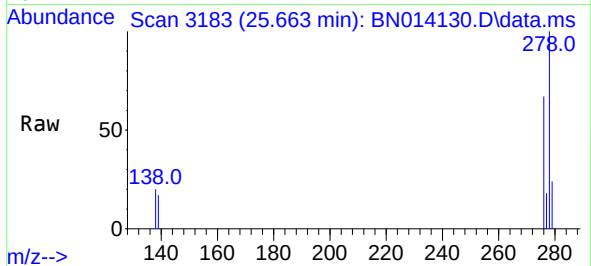




#40
Dibenzo(a,h)anthracene
Concen: 97.06 ng
RT: 25.663 min Scan# 3183
Delta R.T. 0.023 min
Lab File: BN014130.D
Acq: 29 Mar 2021 15:01

Instrument :
BNA_N
ClientSampleId :
PT-BN-WP

Tgt Ion:278 Resp: 6532311
Ion Ratio Lower Upper
278 100
139 16.5 13.4 20.0
279 24.3 21.3 31.9



#41
Benzo(g,h,i)perylene
Concen: 120.81 ng
RT: 26.340 min Scan# 3381
Delta R.T. 0.040 min
Lab File: BN014130.D
Acq: 29 Mar 2021 15:01

Tgt Ion:276 Resp: 8639621
Ion Ratio Lower Upper
276 100
277 24.7 20.1 30.1
138 21.4 17.0 25.4

