

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN042821\
 Data File : BN014475.D
 Acq On : 28 Apr 2021 17:42
 Operator : CG/JU
 Sample : PB135991BL
 Misc : LOQ--SOIL-0.1PPM
 ALS Vial : 10 Sample Multiplier: 1

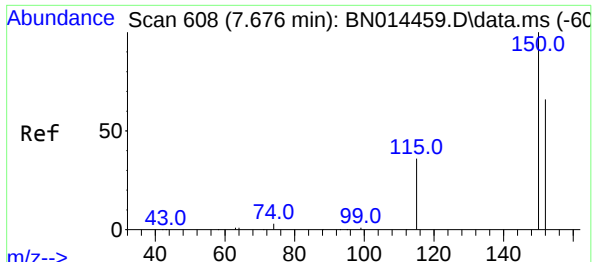
Instrument :
 BNA_N
 ClientSampleId :
 PB135991BL

Quant Time: Apr 28 18:13:49 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN042821.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 28 13:14:06 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.668	152	5919	0.40	ng	0.00
7) Naphthalene-d8	10.441	136	19792	0.40	ng	0.00
13) Acenaphthene-d10	14.308	164	9027	0.40	ng	0.00
19) Phenanthrene-d10	17.043	188	17741	0.40	ng	#-0.01
29) Chrysene-d12	21.250	240	14955	0.40	ng	# 0.00
35) Perylene-d12	23.465	264	14545	0.40	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.276	112	5017	0.45	ng	0.00
5) Phenol-d6	6.838	99	5310	0.39	ng	0.00
8) Nitrobenzene-d5	8.819	82	6256	0.47	ng	0.00
11) 2-Methylnaphthalene-d10	12.040	152	11725	0.39	ng	0.00
14) 2,4,6-Tribromophenol	15.805	330	732	0.25	ng	0.01
15) 2-Fluorobiphenyl	12.925	172	15502	0.46	ng	0.00
27) Fluoranthene-d10	19.089	212	18389	0.38	ng	0.00
31) Terphenyl-d14	19.695	244	15272	0.51	ng	0.00
Target Compounds						Qvalue
6) bis(2-Chloroethyl)ether	7.112	93	32	0.00	ng	# 23
9) Naphthalene	10.492	128	104	0.00	ng	# 1
10) Hexachlorobutadiene	10.796	225	19	0.00	ng	# 85
12) 2-Methylnaphthalene	12.111	142	34	0.00	ng	# 45
16) Acenaphthylene	14.016	152	34	0.00	ng	# 52
17) Acenaphthene	14.371	154	27	0.00	ng	# 70
18) Fluorene	15.361	166	46	0.00	ng	# 84
20) 4,6-Dinitro-2-methylph...	15.386	198	1	0.00	ng	# 1
21) 4-Bromophenyl-phenylether	16.252	248	4	0.00	ng	# 55
22) Hexachlorobenzene	16.362	284	25	0.00	ng	# 38
24) Pentachlorophenol	16.714	266	4	0.00	ng	# 21
25) Phenanthrene	17.092	178	199	0.00	ng	# 78
26) Anthracene	17.189	178	63	0.00	ng	# 77
28) Fluoranthene	19.119	202	101	0.00	ng	# 86
30) Pyrene	19.481	202	99	0.00	ng	# 92
32) Benzo(a)anthracene	21.239	228	132	0.00	ng	# 22
33) Chrysene	21.282	228	105	0.00	ng	# 42
34) Bis(2-ethylhexyl)phtha...	21.176	149	341	0.02	ng	# 89
36) Indeno(1,2,3-cd)pyrene	25.693	276	92	0.00	ng	# 70
37) Benzo(b)fluoranthene	22.808	252	122	0.00	ng	# 1
38) Benzo(k)fluoranthene	22.856	252	78	0.00	ng	# 1
39) Benzo(a)pyrene	23.376	252	126	0.00	ng	# 1
40) Dibenzo(a,h)anthracene	25.700	278	23	0.00	ng	# 1
41) Benzo(g,h,i)perylene	26.364	276	47	0.00	ng	# 1

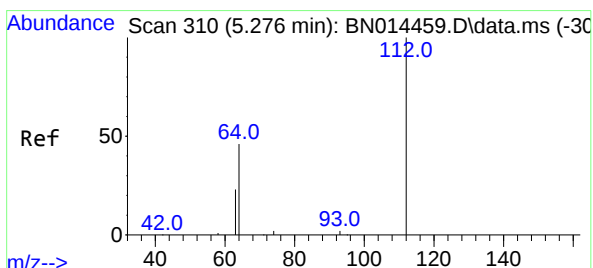
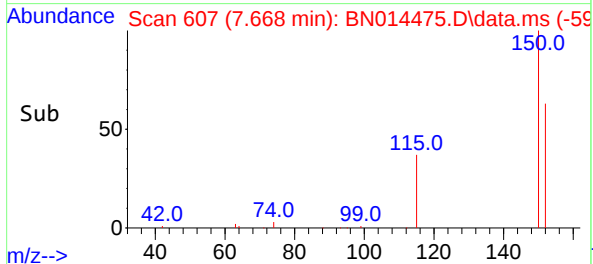
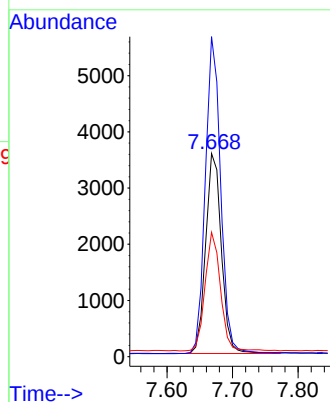
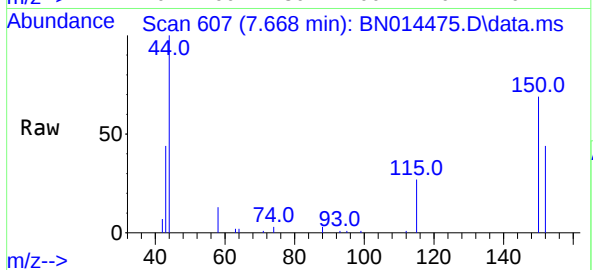
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
1,4-Dichlorobenzene-d4
Concen: 0.40 ng
RT: 7.668 min Scan# 607
Delta R.T. -0.008 min
Lab File: BN014475.D
Acq: 28 Apr 2021 17:42

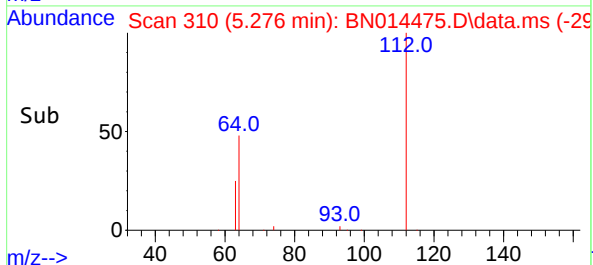
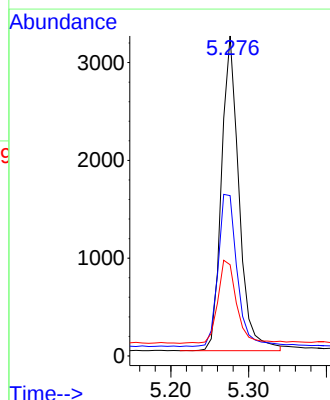
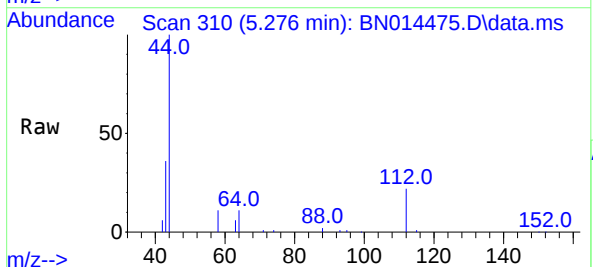
Instrument :
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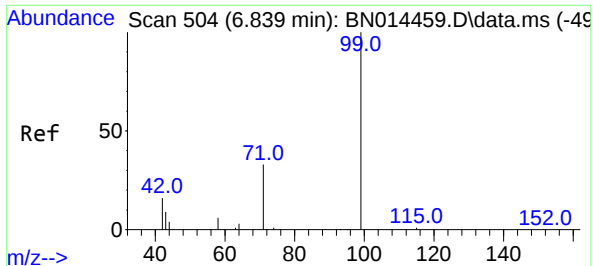
Tgt Ion:152 Resp: 5919
Ion Ratio Lower Upper
152 100
150 157.5 121.2 181.8
115 61.2 46.0 69.0



#4
2-Fluorophenol
Concen: 0.45 ng
RT: 5.276 min Scan# 310
Delta R.T. -0.000 min
Lab File: BN014475.D
Acq: 28 Apr 2021 17:42

Tgt Ion:112 Resp: 5017
Ion Ratio Lower Upper
112 100
64 52.8 41.4 62.2
63 28.1 21.8 32.8

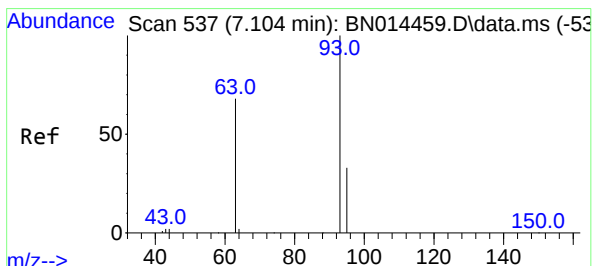
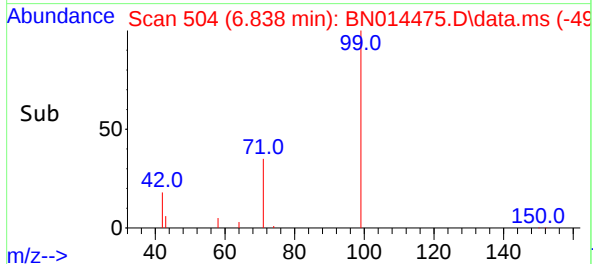
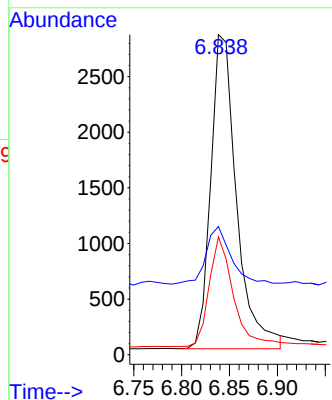
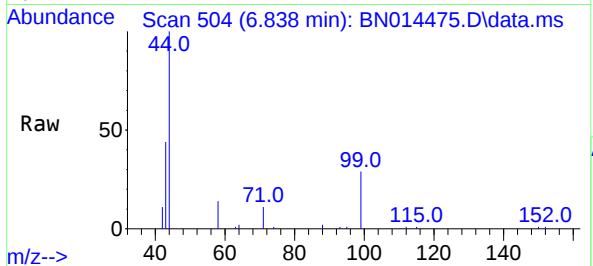




#5
Phenol-d6
Concen: 0.39 ng
RT: 6.838 min Scan# 504
Delta R.T. -0.000 min
Lab File: BN014475.D
Acq: 28 Apr 2021 17:42

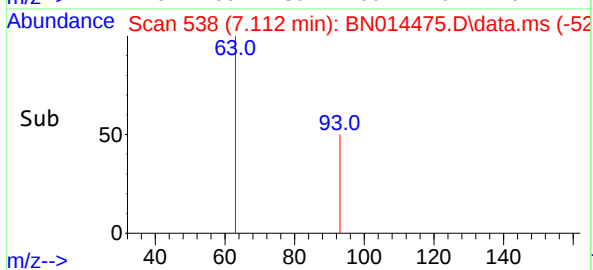
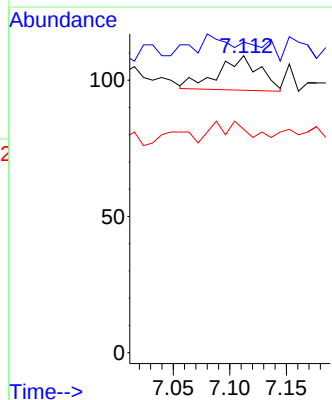
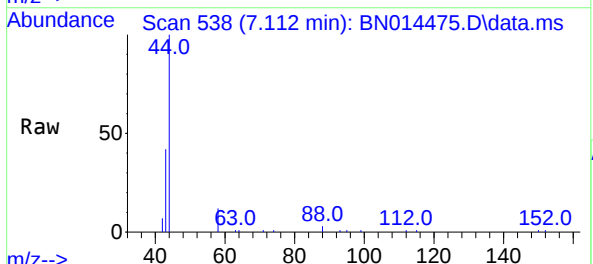
Instrument :
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ClientSampleId :
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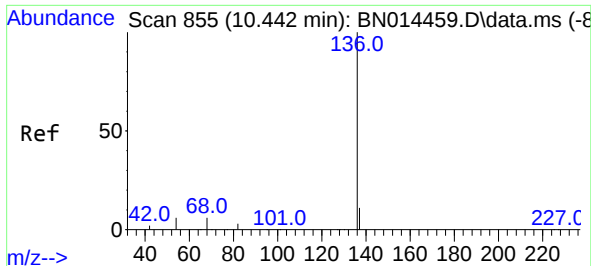
Tgt Ion: 99 Resp: 5310
Ion Ratio Lower Upper
99 100
42 17.9 13.8 20.6
71 32.8 25.5 38.3



#6
bis(2-Chloroethyl)ether
Concen: 0.00 ng
RT: 7.112 min Scan# 538
Delta R.T. 0.008 min
Lab File: BN014475.D
Acq: 28 Apr 2021 17:42

Tgt Ion: 93 Resp: 32
Ion Ratio Lower Upper
93 100
63 0.0 56.7 85.1#
95 0.0 26.3 39.5#

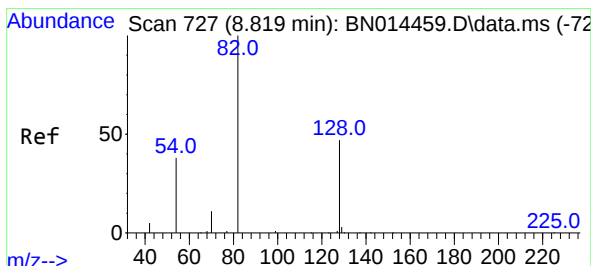
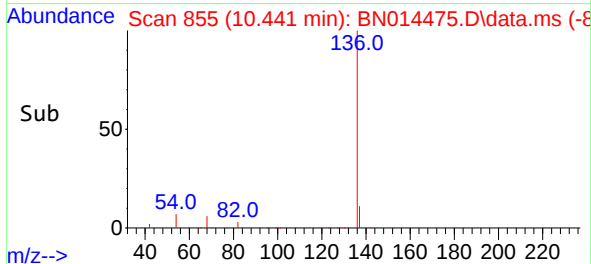
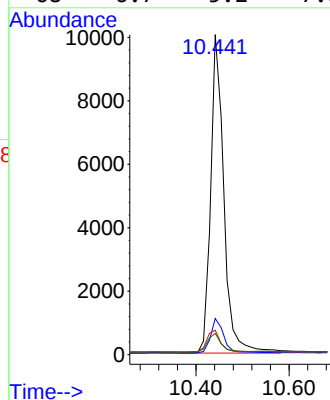
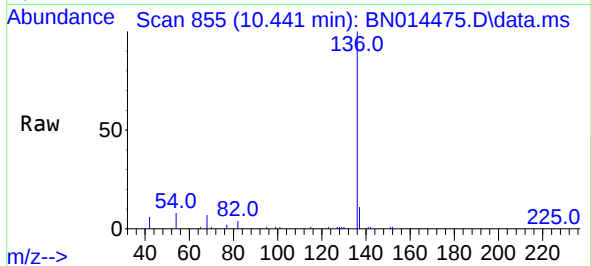




#7
Naphthalene-d8
Concen: 0.40 ng
RT: 10.441 min Scan# 855
Delta R.T. -0.000 min
Lab File: BN014475.D
Acq: 28 Apr 2021 17:42

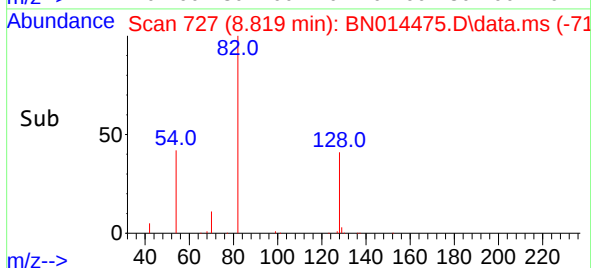
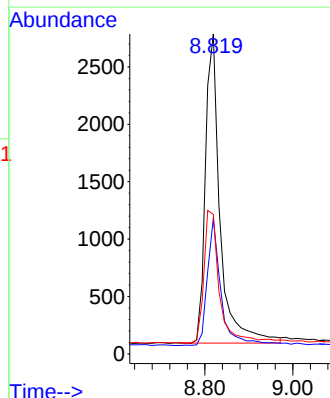
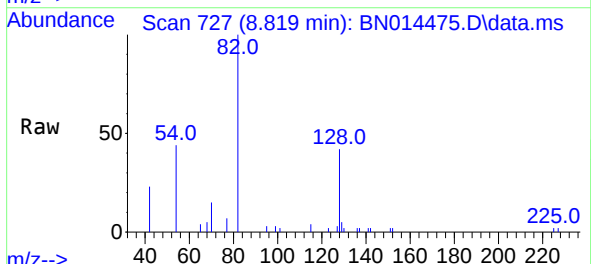
Instrument :
BNA_N
ClientSampleId :
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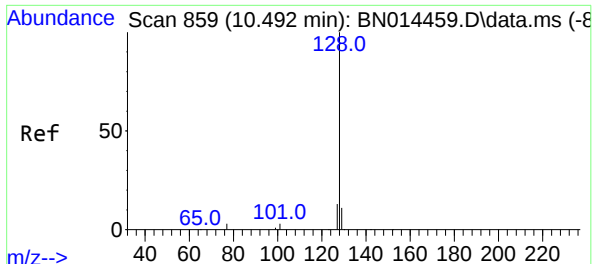
Tgt Ion:	136	Resp:	19792
Ion Ratio	Lower	Upper	
136	100		
137	11.3	9.0	13.4
54	7.6	5.7	8.5
68	6.7	5.2	7.8



#8
Nitrobenzene-d5
Concen: 0.47 ng
RT: 8.819 min Scan# 727
Delta R.T. -0.000 min
Lab File: BN014475.D
Acq: 28 Apr 2021 17:42

Tgt Ion:	82	Resp:	6256
Ion Ratio	Lower	Upper	
82	100		
128	42.4	38.5	57.7
54	43.6	32.1	48.1

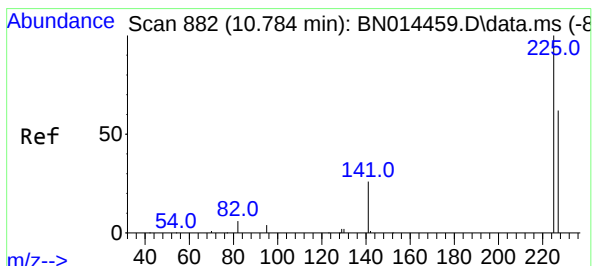
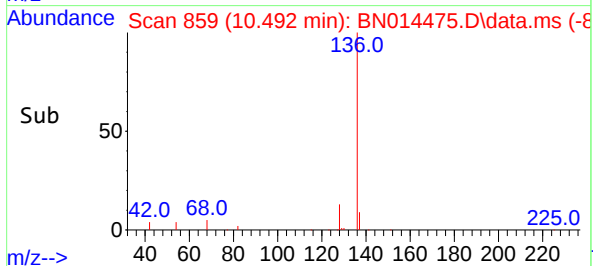
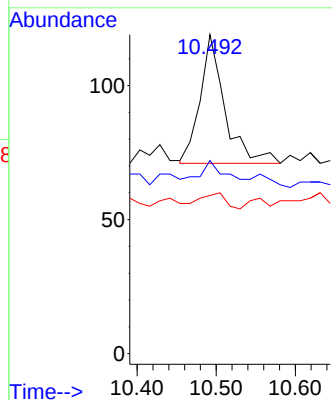
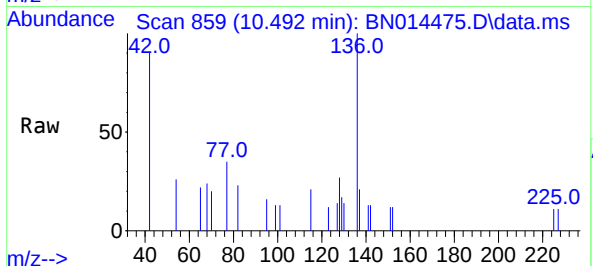




#9
Naphthalene
Concen: 0.00 ng
RT: 10.492 min Scan# 859
Delta R.T. -0.000 min
Lab File: BN014475.D
Acq: 28 Apr 2021 17:42

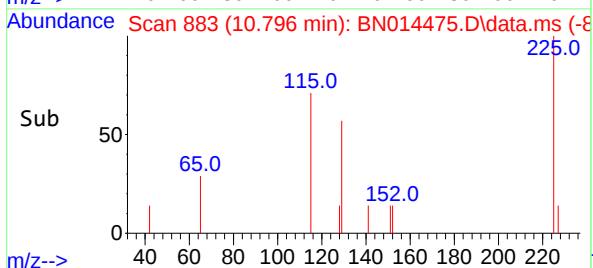
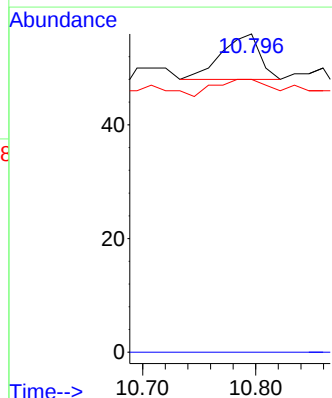
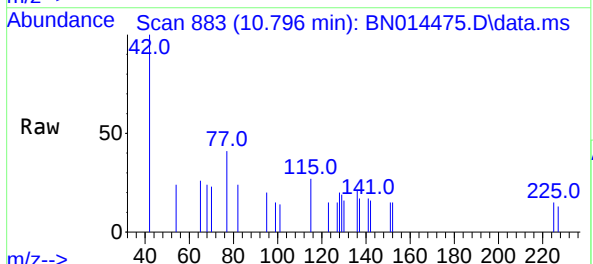
Instrument :
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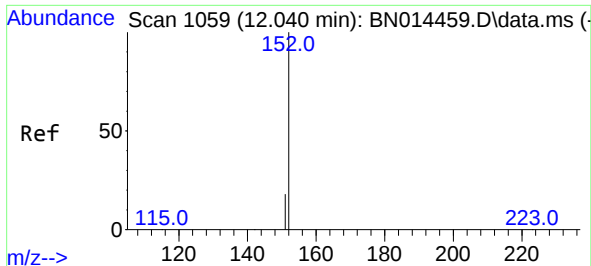
Tgt Ion:128 Resp: 104
Ion Ratio Lower Upper
128 100
129 60.5 9.0 13.4#
127 49.6 10.5 15.7#



#10
Hexachlorobutadiene
Concen: 0.00 ng
RT: 10.796 min Scan# 883
Delta R.T. 0.012 min
Lab File: BN014475.D
Acq: 28 Apr 2021 17:42

Tgt Ion:225 Resp: 19
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 52.6 51.5 77.3

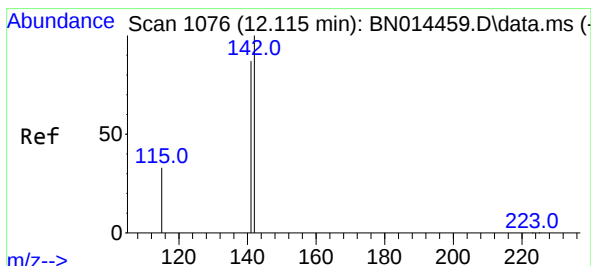
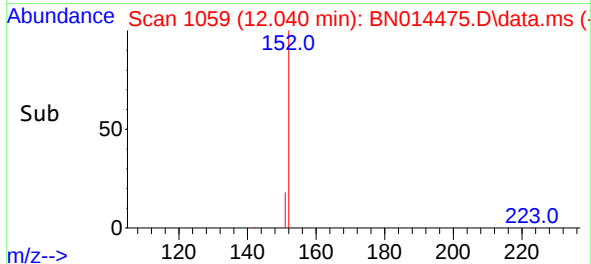
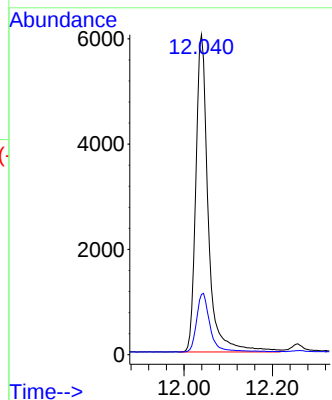
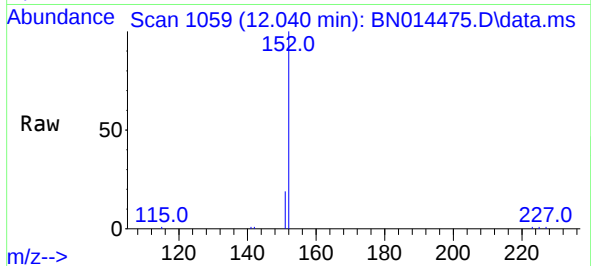




#11
2-Methylnaphthalene-d10
Concen: 0.39 ng
RT: 12.040 min Scan# 1059
Delta R.T. -0.000 min
Lab File: BN014475.D
Acq: 28 Apr 2021 17:42

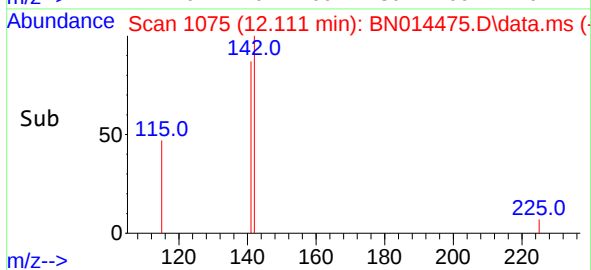
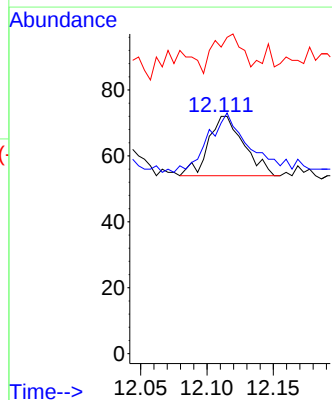
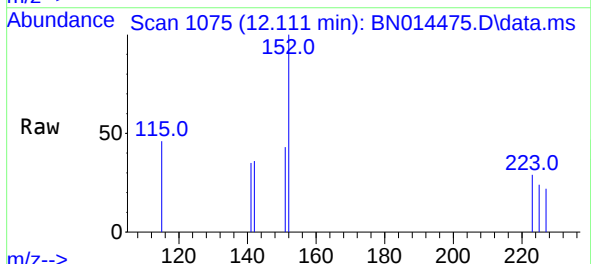
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ClientSampleId :
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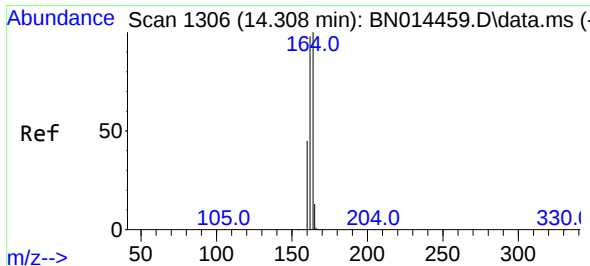
Tgt Ion:152 Resp: 11725
Ion Ratio Lower Upper
152 100
151 19.9 16.2 24.4



#12
2-Methylnaphthalene
Concen: 0.00 ng
RT: 12.111 min Scan# 1075
Delta R.T. -0.005 min
Lab File: BN014475.D
Acq: 28 Apr 2021 17:42

Tgt Ion:142 Resp: 34
Ion Ratio Lower Upper
142 100
141 97.2 69.6 104.4
115 129.2 27.0 40.6#

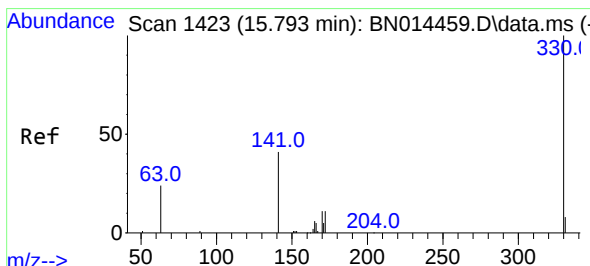
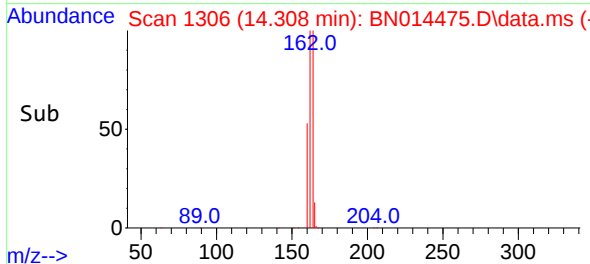
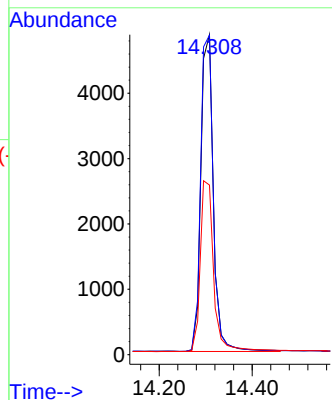
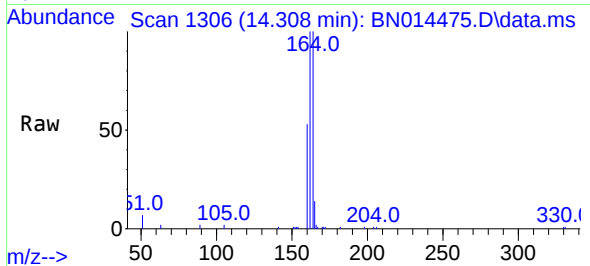




#13
Acenaphthene-d10
Concen: 0.40 ng
RT: 14.308 min Scan# 1306
Delta R.T. -0.000 min
Lab File: BN014475.D
Acq: 28 Apr 2021 17:42

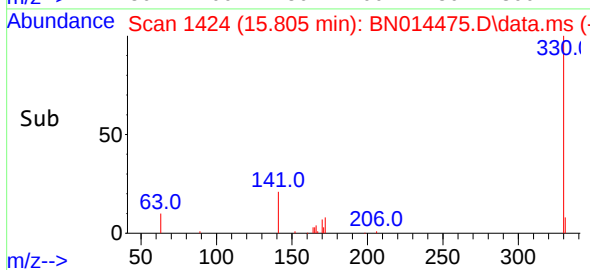
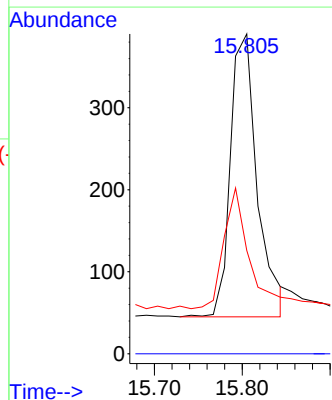
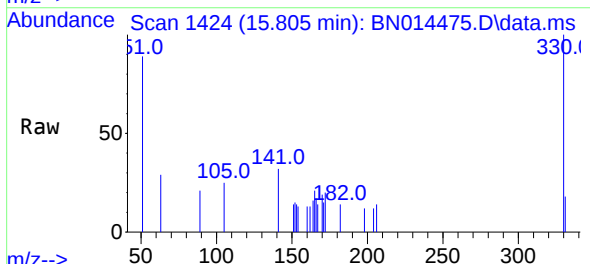
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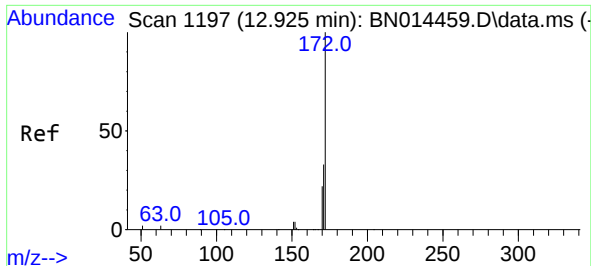
Tgt Ion:164 Resp: 9027
Ion Ratio Lower Upper
164 100
162 99.8 78.3 117.5
160 53.0 36.6 54.8



#14
2,4,6-Tribromophenol
Concen: 0.25 ng
RT: 15.805 min Scan# 1424
Delta R.T. 0.012 min
Lab File: BN014475.D
Acq: 28 Apr 2021 17:42

Tgt Ion:330 Resp: 732
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 39.5 29.3 43.9

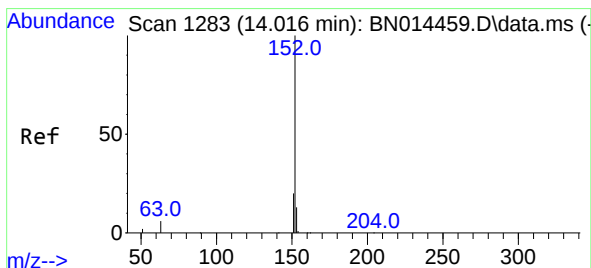
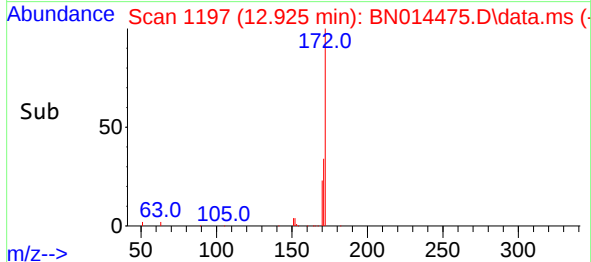
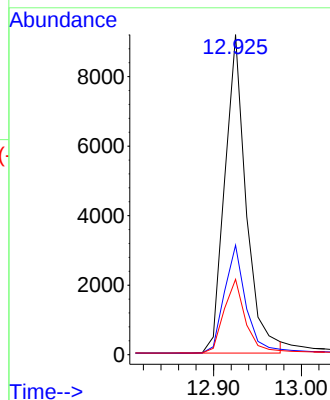
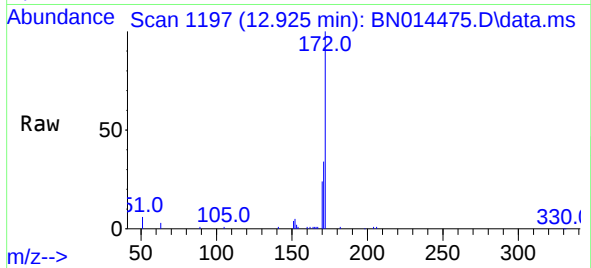




#15
2-Fluorobiphenyl
Concen: 0.46 ng
RT: 12.925 min Scan# 1197
Delta R.T. -0.000 min
Lab File: BN014475.D
Acq: 28 Apr 2021 17:42

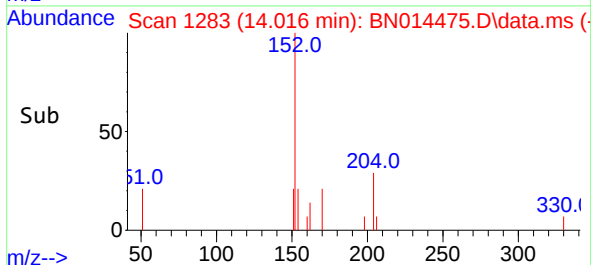
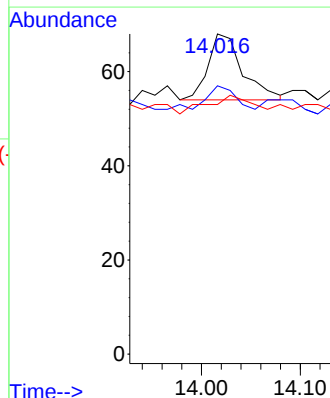
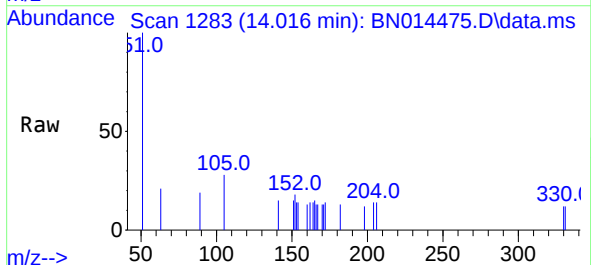
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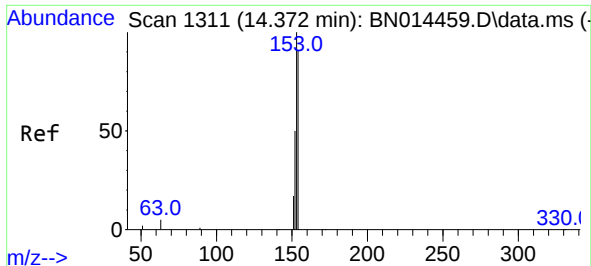
Tgt Ion:	172	Resp:	15502
Ion	Ratio	Lower	Upper
172	100		
171	34.2	27.0	40.4
170	23.5	18.2	27.4



#16
Acenaphthylene
Concen: 0.00 ng
RT: 14.016 min Scan# 1283
Delta R.T. -0.000 min
Lab File: BN014475.D
Acq: 28 Apr 2021 17:42

Tgt Ion:	152	Resp:	34
Ion	Ratio	Lower	Upper
152	100		
151	38.2	15.4	23.2#
153	35.3	10.4	15.6#

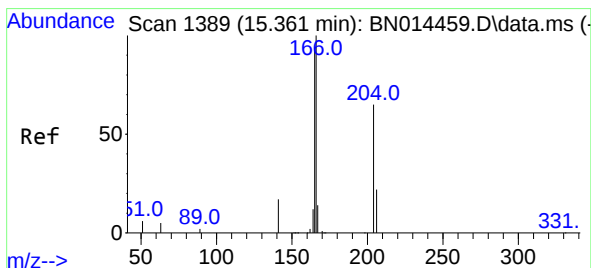
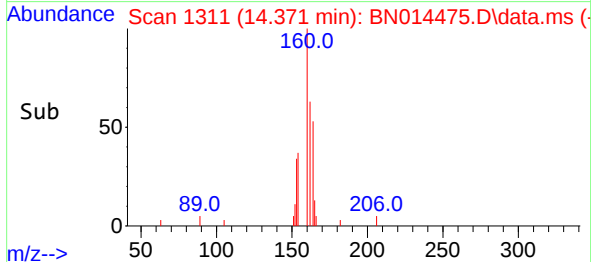
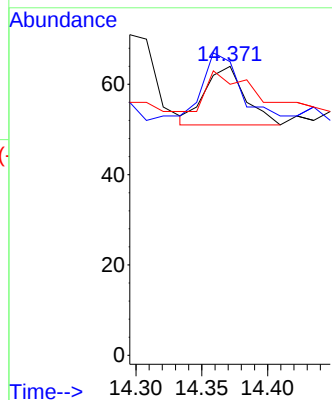
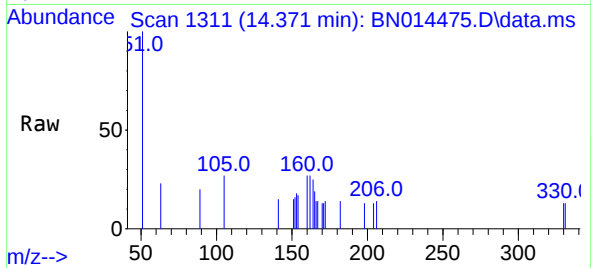




#17
Acenaphthene
Concen: 0.00 ng
RT: 14.371 min Scan# 1311
Delta R.T. -0.000 min
Lab File: BN014475.D
Acq: 28 Apr 2021 17:42

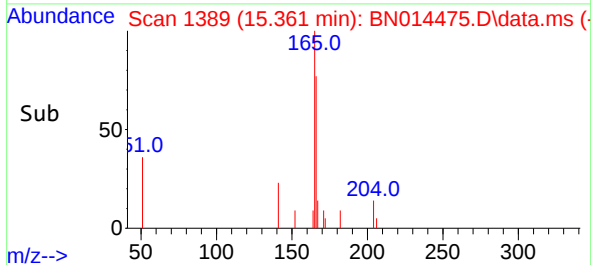
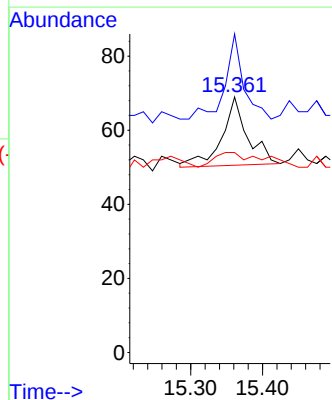
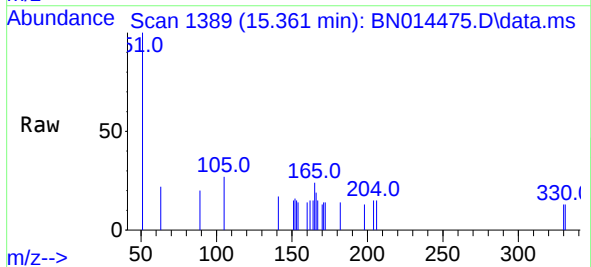
Instrument :
BNA_N
ClientSampleId :
PB135991BL

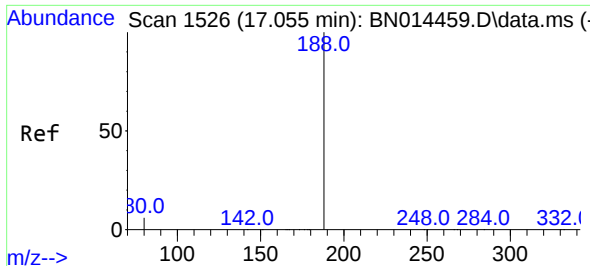
Tgt Ion:154 Resp: 27
Ion Ratio Lower Upper
154 100
153 92.6 90.5 135.7
152 96.3 47.2 70.8#



#18
Fluorene
Concen: 0.00 ng
RT: 15.361 min Scan# 1389
Delta R.T. -0.000 min
Lab File: BN014475.D
Acq: 28 Apr 2021 17:42

Tgt Ion:166 Resp: 46
Ion Ratio Lower Upper
166 100
165 89.1 78.1 117.1
167 41.3 11.0 16.6#

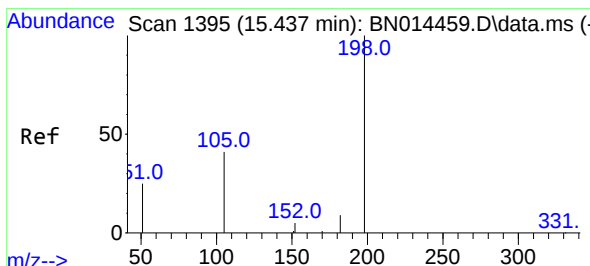
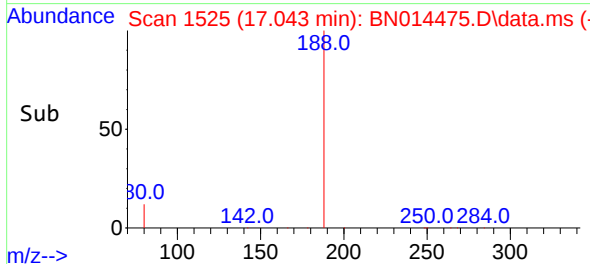
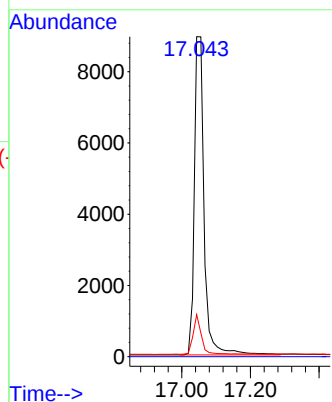
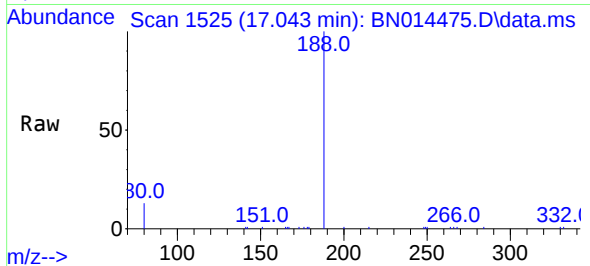




#19
Phenanthrene-d10
Concen: 0.40 ng
RT: 17.043 min Scan# 1525
Delta R.T. -0.012 min
Lab File: BN014475.D
Acq: 28 Apr 2021 17:42

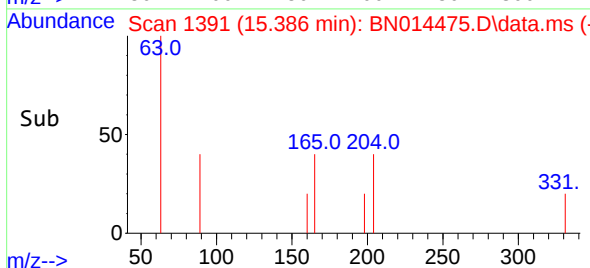
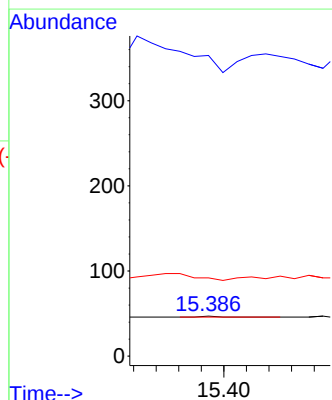
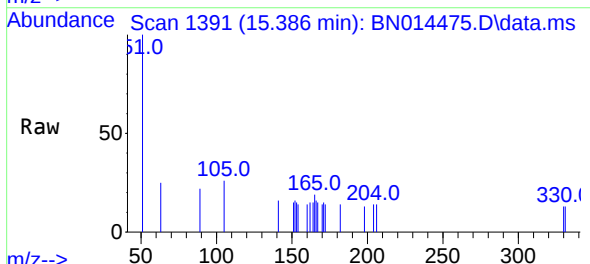
Instrument :
BNA_N
ClientSampleId :
PB135991BL

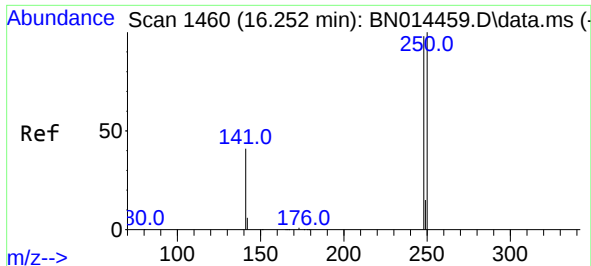
Tgt Ion:188 Resp: 17741
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 13.2 5.4 8.2#



#20
4,6-Dinitro-2-methylphenol
Concen: 0.00 ng
RT: 15.386 min Scan# 1391
Delta R.T. -0.051 min
Lab File: BN014475.D
Acq: 28 Apr 2021 17:42

Tgt Ion:198 Resp: 1
Ion Ratio Lower Upper
198 100
51 751.1 104.5 156.7#
105 195.7 62.2 93.2#

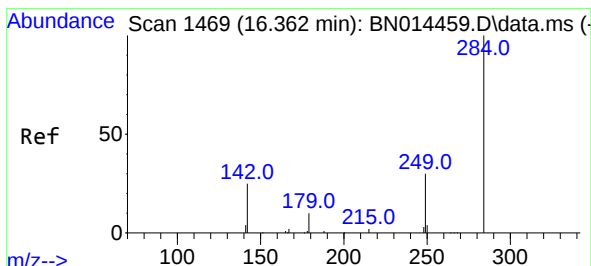
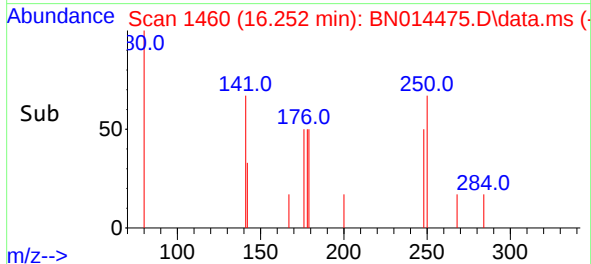
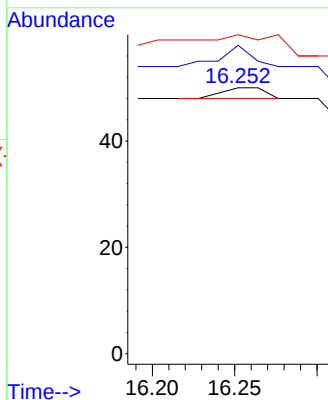
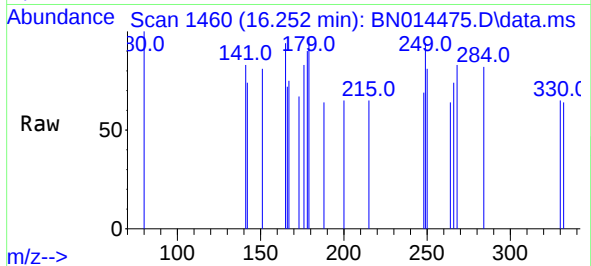




#21
4-Bromophenyl-phenylether
Concen: 0.00 ng
RT: 16.252 min Scan# 1460
Delta R.T. -0.000 min
Lab File: BN014475.D
Acq: 28 Apr 2021 17:42

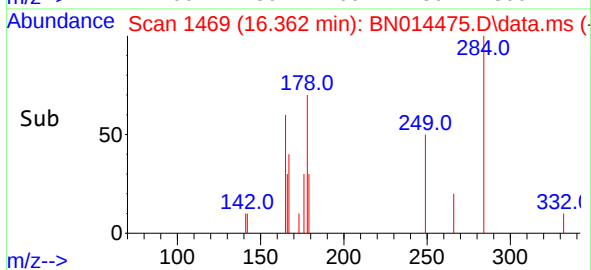
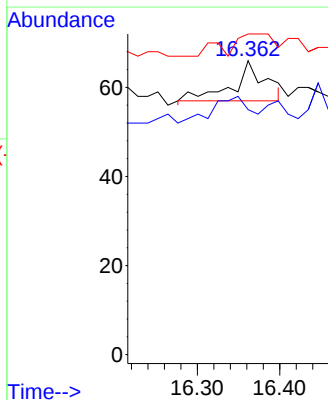
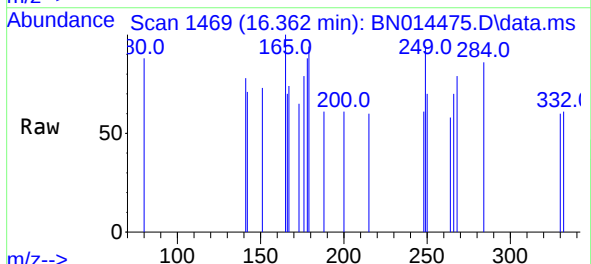
Instrument :
BNA_N
ClientSampleId :
PB135991BL

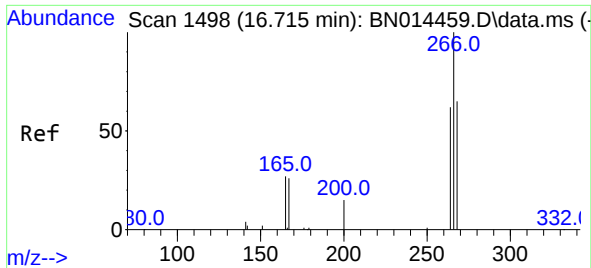
Tgt Ion:248 Resp: 4
Ion Ratio Lower Upper
248 100
250 116.0 81.8 122.6
141 120.0 34.2 51.2#



#22
Hexachlorobenzene
Concen: 0.00 ng
RT: 16.362 min Scan# 1469
Delta R.T. -0.000 min
Lab File: BN014475.D
Acq: 28 Apr 2021 17:42

Tgt Ion:284 Resp: 25
Ion Ratio Lower Upper
284 100
142 72.0 27.2 40.8#
249 60.0 23.4 35.2#

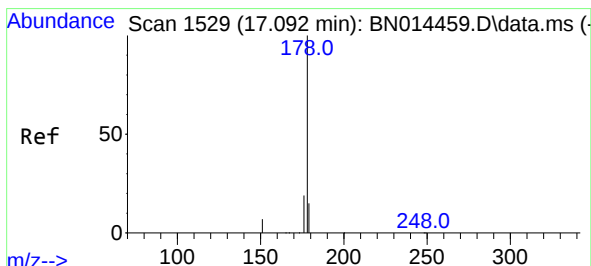
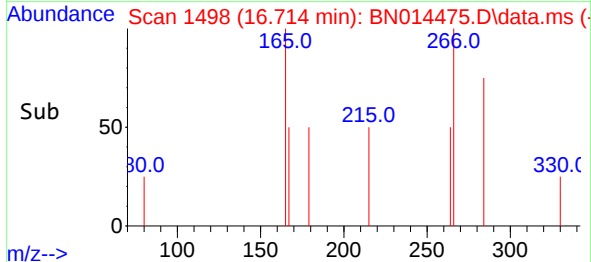
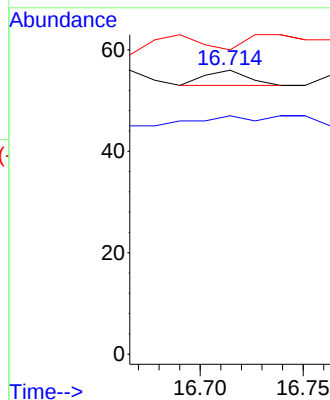
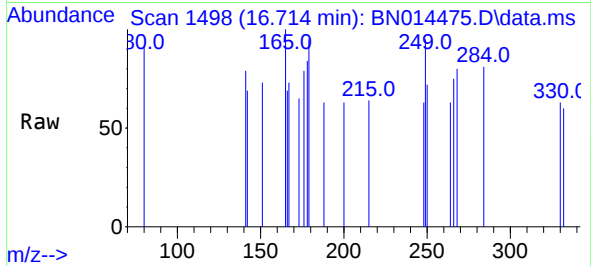




#24
Pentachlorophenol
Concen: 0.00 ng
RT: 16.714 min Scan# 1498
Delta R.T. -0.001 min
Lab File: BN014475.D
Acq: 28 Apr 2021 17:42

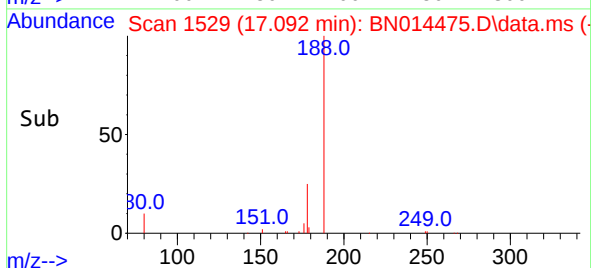
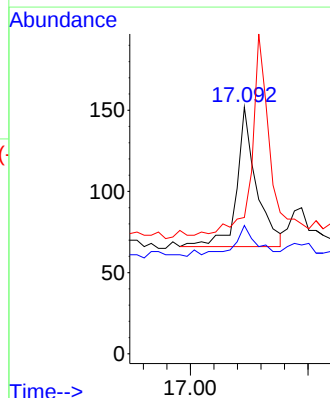
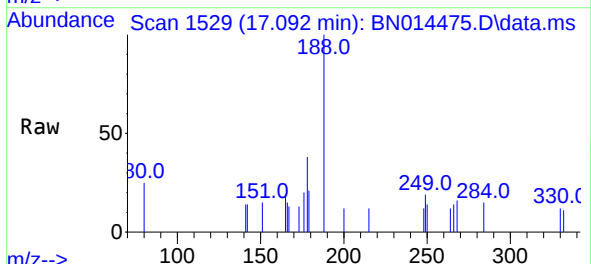
Instrument :
BNA_N
ClientSampleId :
PB135991BL

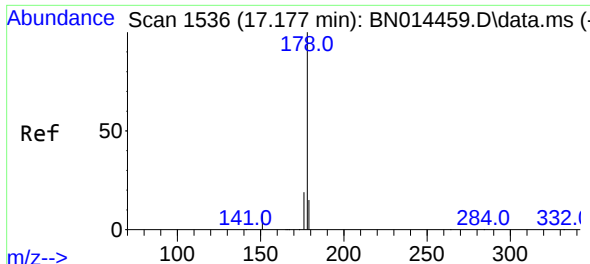
Tgt Ion:	266	Resp:	4
Ion	Ratio	Lower	Upper
266	100		
264	25.0	49.9	74.9#
268	150.0	51.6	77.4#



#25
Phenanthrene
Concen: 0.00 ng
RT: 17.092 min Scan# 1529
Delta R.T. -0.000 min
Lab File: BN014475.D
Acq: 28 Apr 2021 17:42

Tgt Ion:	178	Resp:	199
Ion	Ratio	Lower	Upper
178	100		
176	23.1	15.1	22.7#
179	0.0	12.2	18.4#

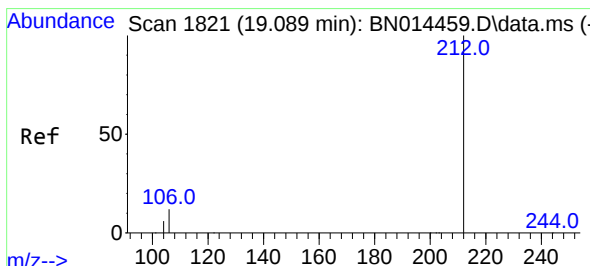
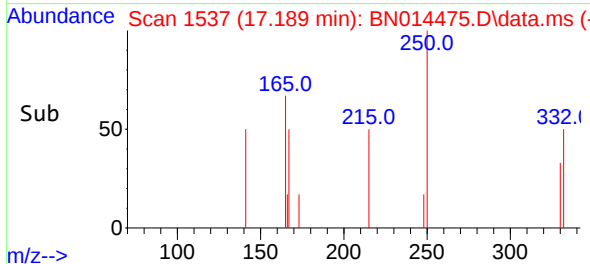
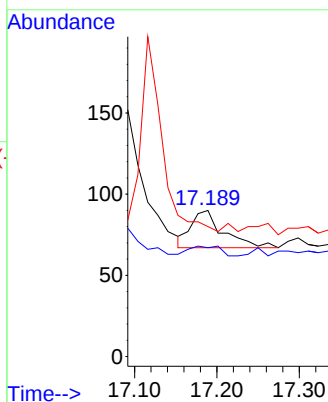
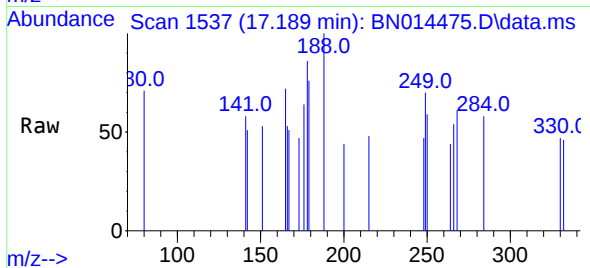




#26
 Anthracene
 Concen: 0.00 ng
 RT: 17.189 min Scan# 1537
 Delta R.T. 0.012 min
 Lab File: BN014475.D
 Acq: 28 Apr 2021 17:42

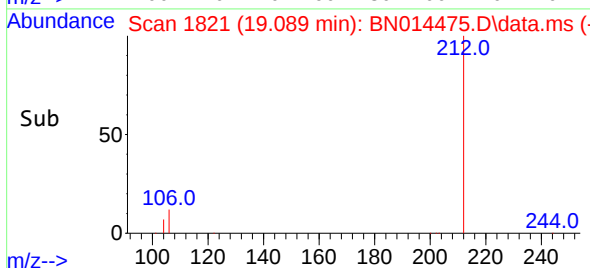
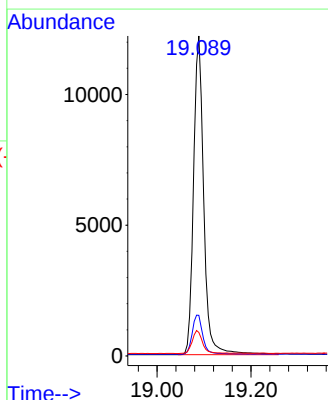
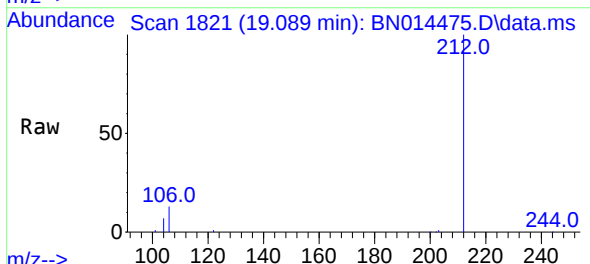
Instrument :
 BNA_N
 ClientSampleId :
 PB135991BL

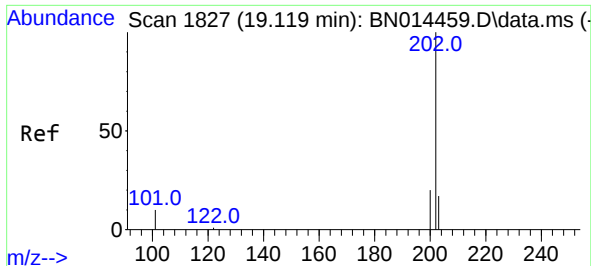
Tgt Ion:178 Resp: 63
 Ion Ratio Lower Upper
 178 100
 176 23.8 14.6 22.0#
 179 0.0 12.0 18.0#



#27
 Fluoranthene-d10
 Concen: 0.38 ng
 RT: 19.089 min Scan# 1821
 Delta R.T. -0.000 min
 Lab File: BN014475.D
 Acq: 28 Apr 2021 17:42

Tgt Ion:212 Resp: 18389
 Ion Ratio Lower Upper
 212 100
 106 12.8 10.2 15.4
 104 7.3 5.6 8.4

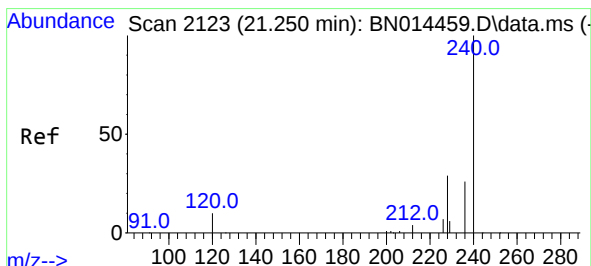
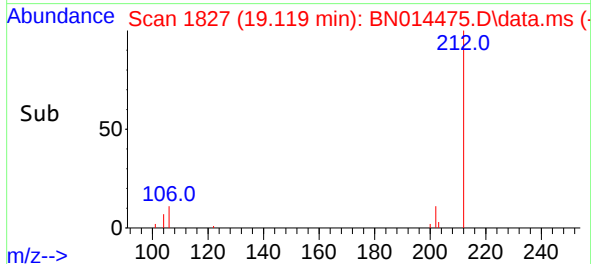
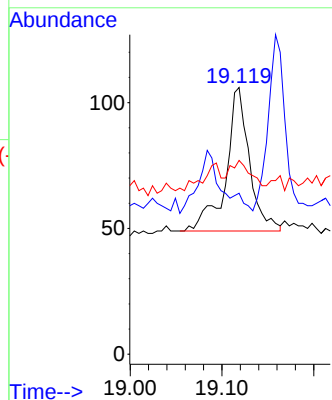
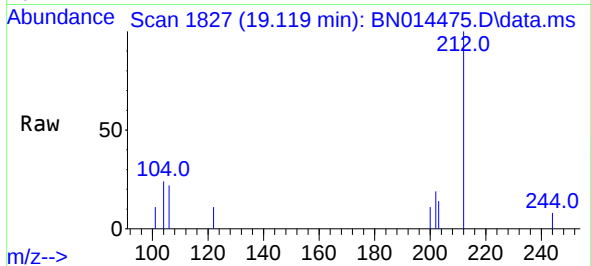




#28
Fluoranthene
Concen: 0.00 ng
RT: 19.119 min Scan# 1827
Delta R.T. -0.000 min
Lab File: BN014475.D
Acq: 28 Apr 2021 17:42

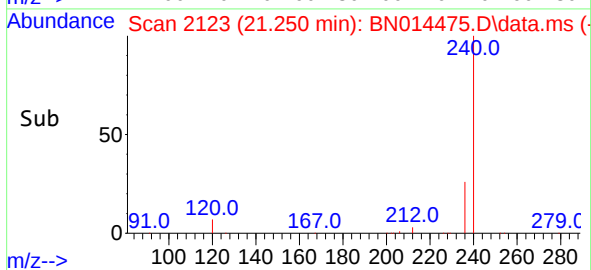
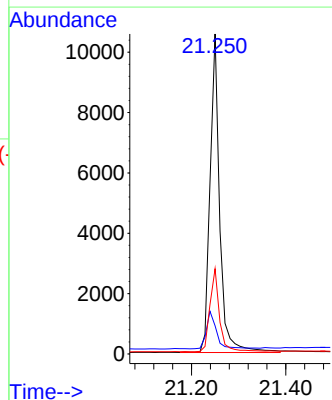
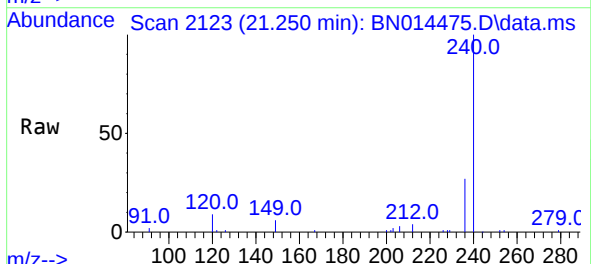
Instrument :
BNA_N
ClientSampleId :
PB135991BL

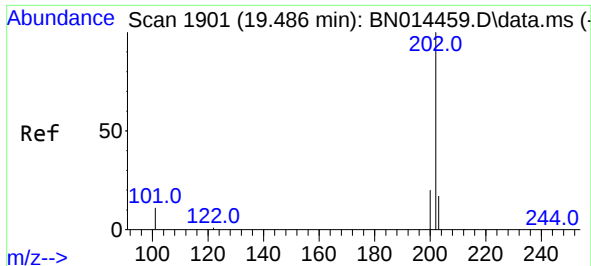
Tgt Ion:202 Resp: 101
Ion Ratio Lower Upper
202 100
101 0.0 8.5 12.7#
203 14.9 13.7 20.5



#29
Chrysene-d12
Concen: 0.40 ng
RT: 21.250 min Scan# 2123
Delta R.T. -0.000 min
Lab File: BN014475.D
Acq: 28 Apr 2021 17:42

Tgt Ion:240 Resp: 14955
Ion Ratio Lower Upper
240 100
120 8.8 9.0 13.6#
236 26.7 21.4 32.0

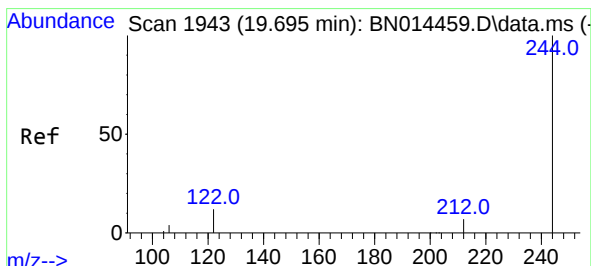
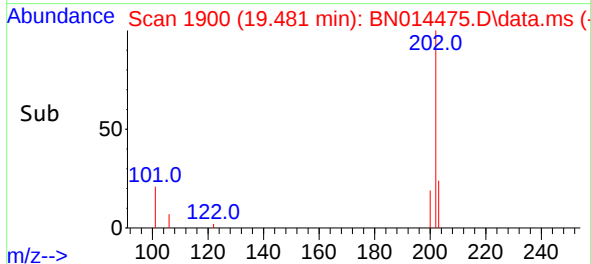
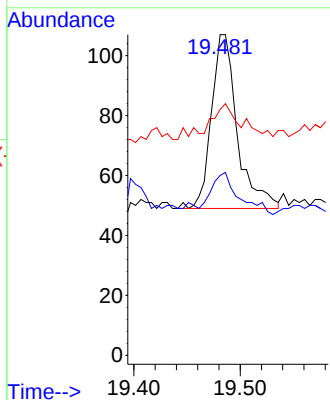
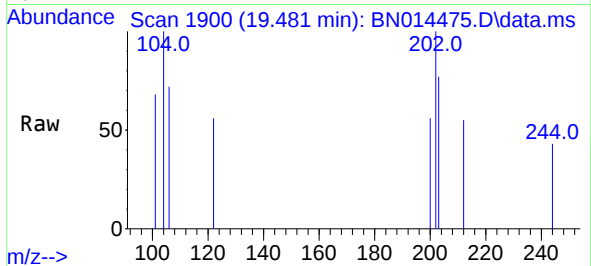




#30
 Pyrene
 Concen: 0.00 ng
 RT: 19.481 min Scan# 1900
 Delta R.T. -0.005 min
 Lab File: BN014475.D
 Acq: 28 Apr 2021 17:42

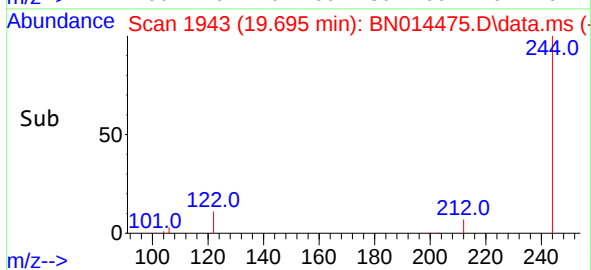
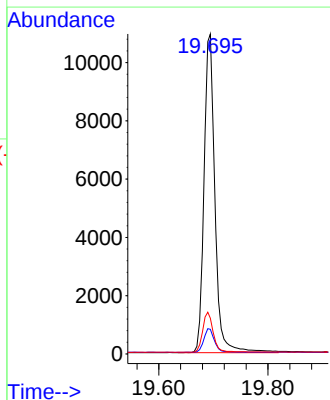
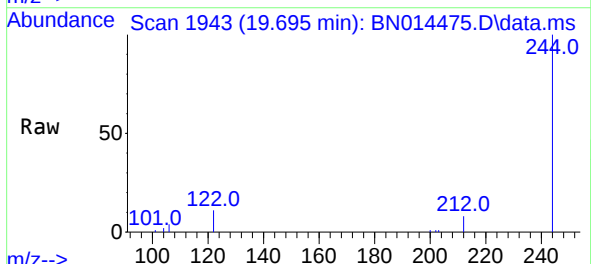
Instrument :
 BNA_N
 ClientSampleId :
 PB135991BL

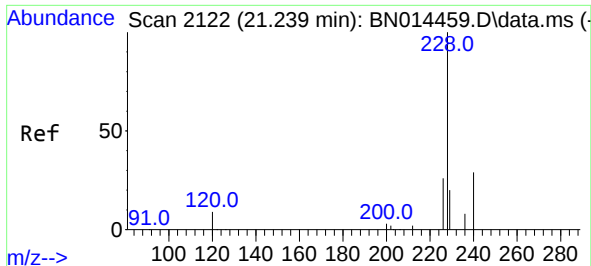
Tgt Ion:202 Resp: 99
 Ion Ratio Lower Upper
 202 100
 200 25.3 16.4 24.6#
 203 20.2 13.9 20.9



#31
 Terphenyl-d14
 Concen: 0.51 ng
 RT: 19.695 min Scan# 1943
 Delta R.T. -0.000 min
 Lab File: BN014475.D
 Acq: 28 Apr 2021 17:42

Tgt Ion:244 Resp: 15272
 Ion Ratio Lower Upper
 244 100
 212 7.7 6.2 9.2
 122 11.1 9.8 14.8

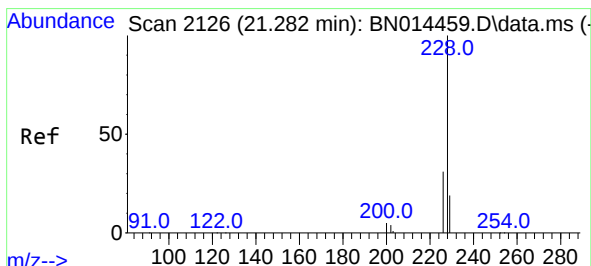
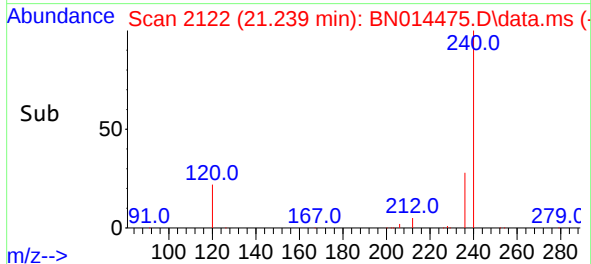
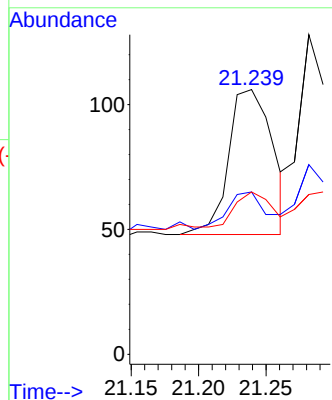
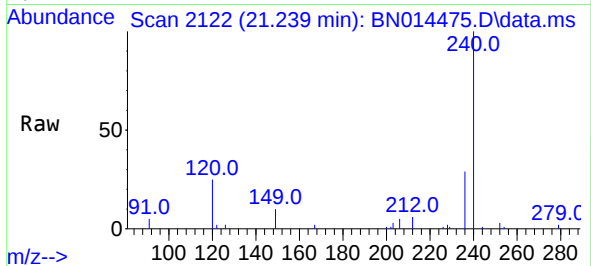




#32
Benzo(a)anthracene
Concen: 0.00 ng
RT: 21.239 min Scan# 2122
Delta R.T. -0.000 min
Lab File: BN014475.D
Acq: 28 Apr 2021 17:42

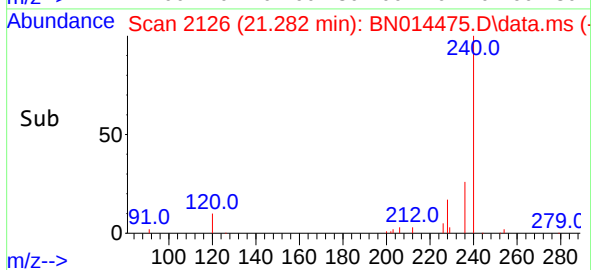
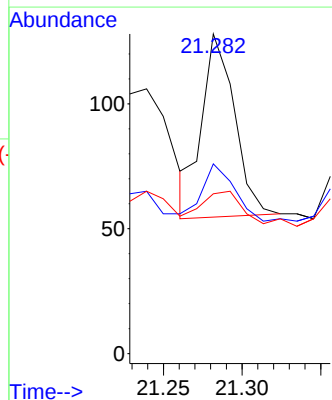
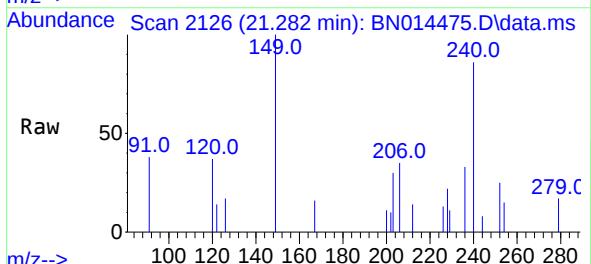
Instrument :
BNA_N
ClientSampleId :
PB135991BL

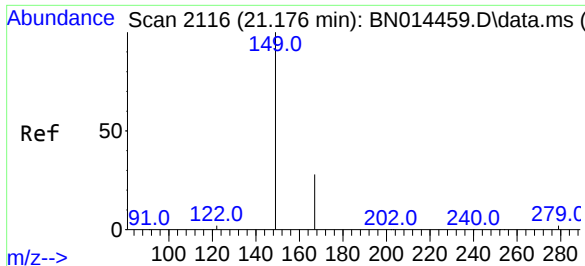
Tgt Ion:228 Resp: 132
Ion Ratio Lower Upper
228 100
226 61.3 20.8 31.2#
229 61.3 16.1 24.1#



#33
Chrysene
Concen: 0.00 ng
RT: 21.282 min Scan# 2126
Delta R.T. -0.000 min
Lab File: BN014475.D
Acq: 28 Apr 2021 17:42

Tgt Ion:228 Resp: 105
Ion Ratio Lower Upper
228 100
226 59.4 24.8 37.2#
229 50.0 15.3 22.9#

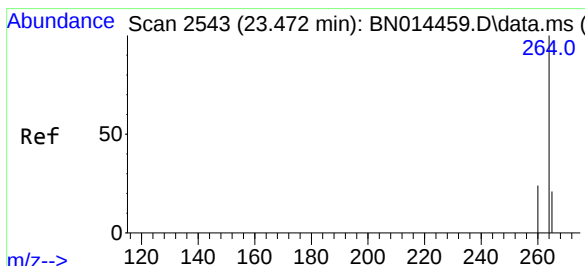
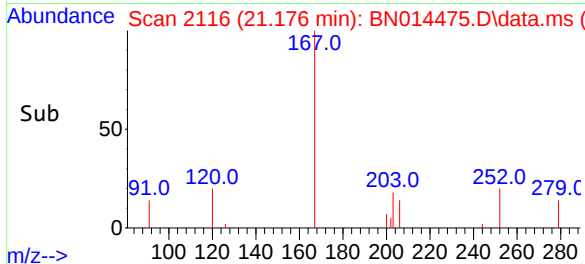
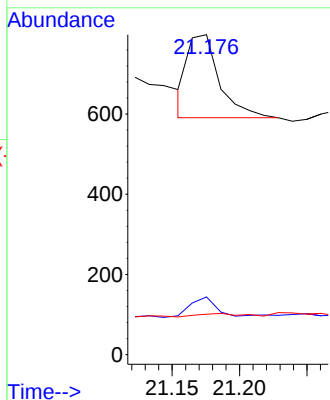
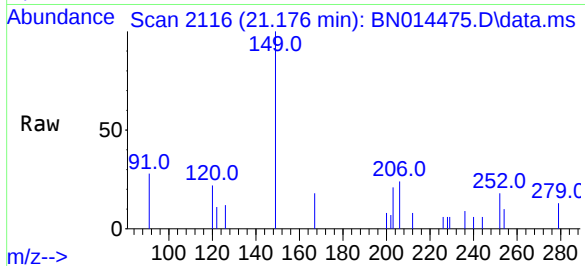




#34
Bis(2-ethylhexyl)phthalate
Concen: 0.02 ng
RT: 21.176 min Scan# 2116
Delta R.T. -0.000 min
Lab File: BN014475.D
Acq: 28 Apr 2021 17:42

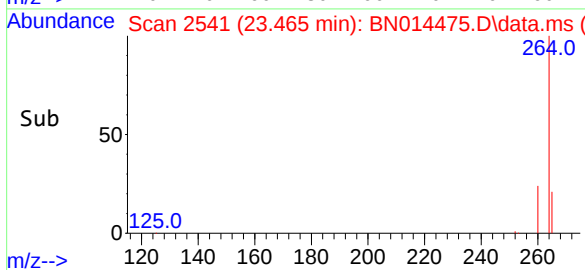
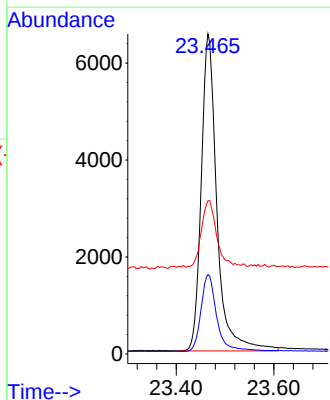
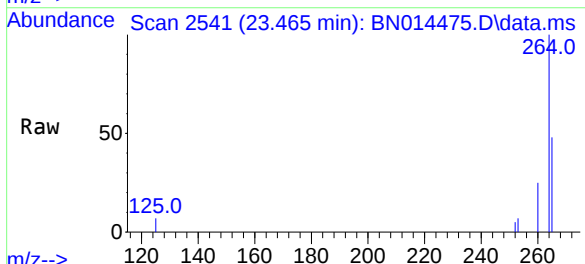
Instrument :
BNA_N
ClientSampleId :
PB135991BL

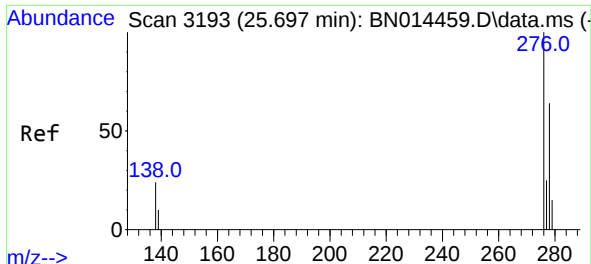
Tgt Ion:149 Resp: 341
Ion Ratio Lower Upper
149 100
167 18.8 19.4 29.2#
279 5.9 2.9 4.3#



#35
Perylene-d12
Concen: 0.40 ng
RT: 23.465 min Scan# 2541
Delta R.T. -0.007 min
Lab File: BN014475.D
Acq: 28 Apr 2021 17:42

Tgt Ion:264 Resp: 14545
Ion Ratio Lower Upper
264 100
260 24.8 19.8 29.6
265 47.9 31.6 47.4#

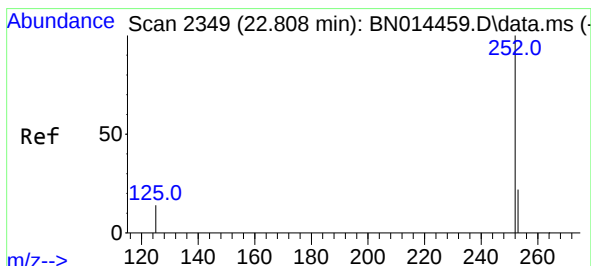
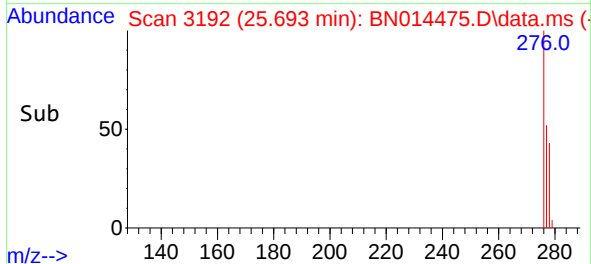
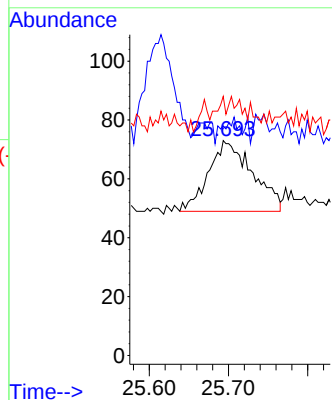
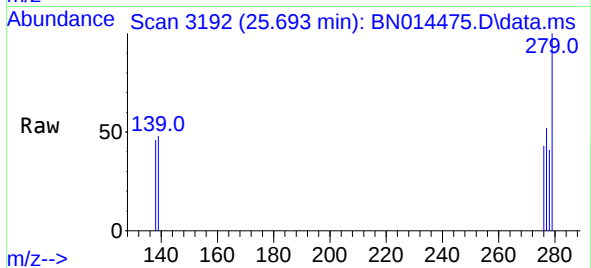




#36
Indeno(1,2,3-cd)pyrene
Concen: 0.00 ng
RT: 25.693 min Scan# 3192
Delta R.T. -0.004 min
Lab File: BN014475.D
Acq: 28 Apr 2021 17:42

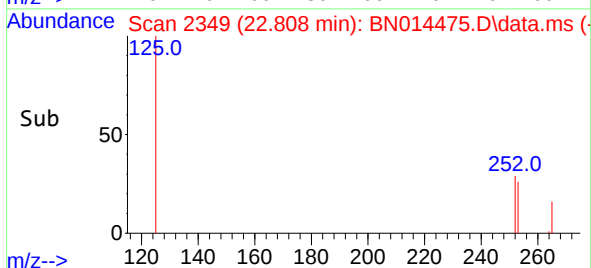
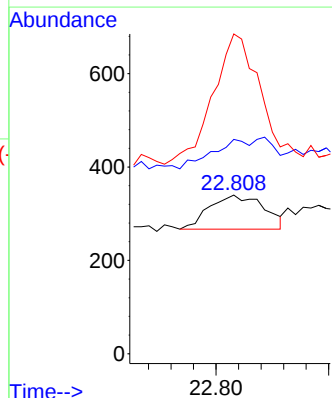
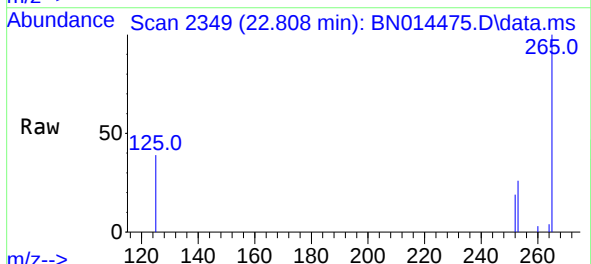
Instrument :
BNA_N
ClientSampleId :
PB135991BL

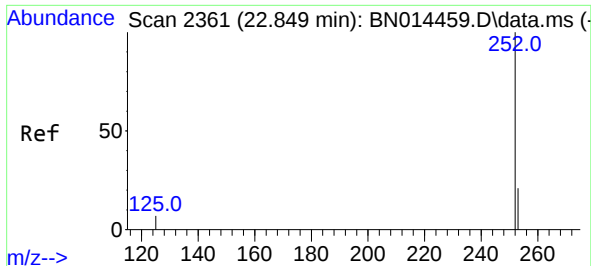
Tgt Ion:276 Resp: 92
Ion Ratio Lower Upper
276 100
138 13.0 18.5 27.7#
277 5.4 19.9 29.9#



#37
Benzo(b)fluoranthene
Concen: 0.00 ng
RT: 22.808 min Scan# 2349
Delta R.T. -0.000 min
Lab File: BN014475.D
Acq: 28 Apr 2021 17:42

Tgt Ion:252 Resp: 122
Ion Ratio Lower Upper
252 100
253 135.0 19.3 28.9#
125 201.5 12.8 19.2#

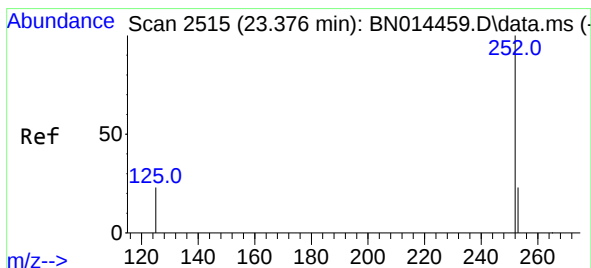
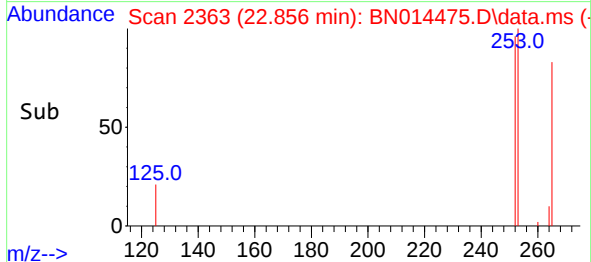
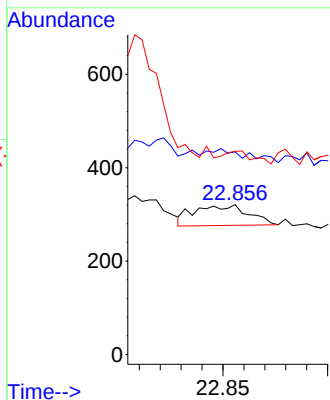
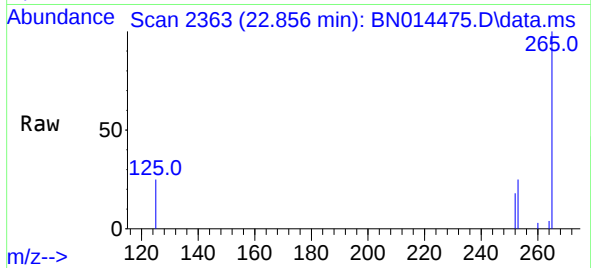




#38
Benzo(k)fluoranthene
Concen: 0.00 ng
RT: 22.856 min Scan# 2363
Delta R.T. 0.007 min
Lab File: BN014475.D
Acq: 28 Apr 2021 17:42

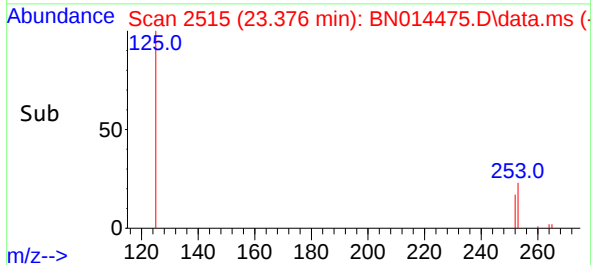
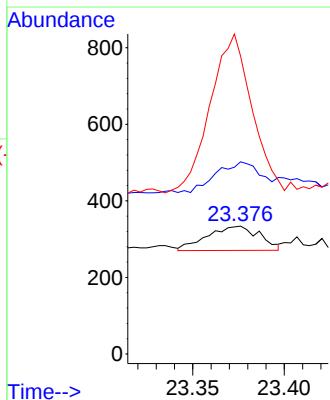
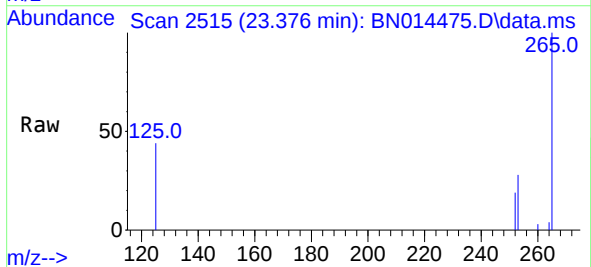
Instrument :
BNA_N
ClientSampleId :
PB135991BL

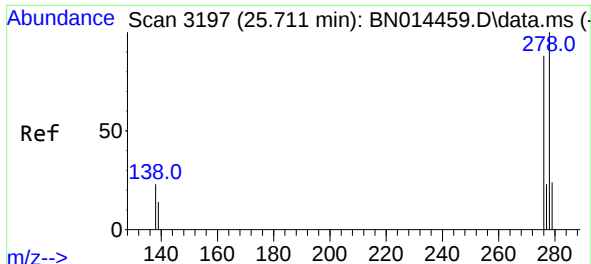
Tgt Ion:252 Resp: 78
Ion Ratio Lower Upper
252 100
253 135.2 19.3 28.9#
125 135.5 10.0 15.0#



#39
Benzo(a)pyrene
Concen: 0.00 ng
RT: 23.376 min Scan# 2515
Delta R.T. -0.000 min
Lab File: BN014475.D
Acq: 28 Apr 2021 17:42

Tgt Ion:252 Resp: 126
Ion Ratio Lower Upper
252 100
253 150.3 21.0 31.6#
125 232.9 20.8 31.2#

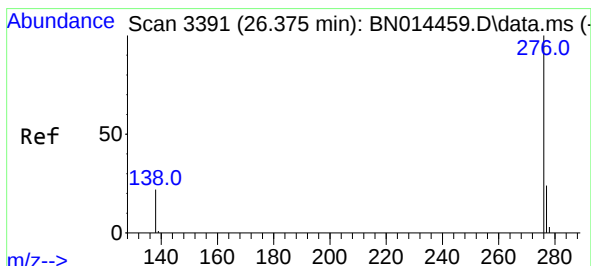
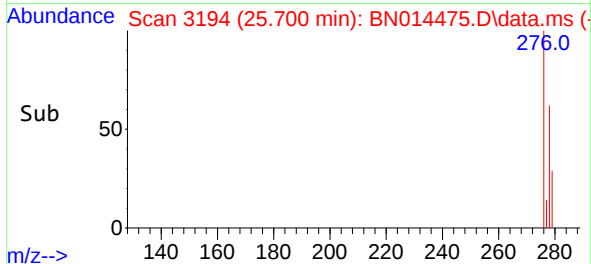
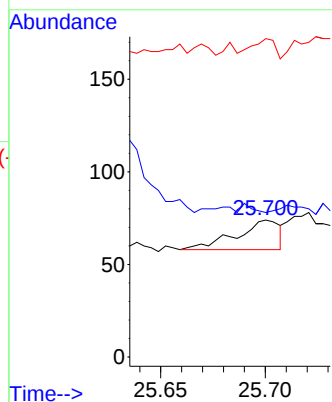
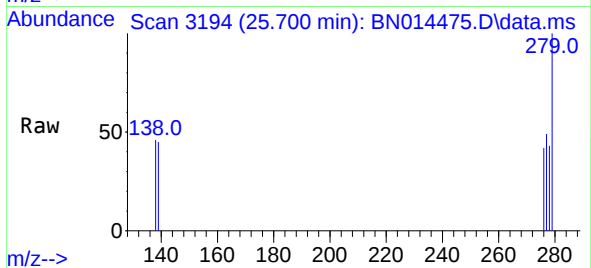




#40
Dibenzo(a,h)anthracene
Concen: 0.00 ng
RT: 25.700 min Scan# 3194
Delta R.T. -0.011 min
Lab File: BN014475.D
Acq: 28 Apr 2021 17:42

Instrument :
BNA_N
ClientSampleId :
PB135991BL

Tgt Ion:278 Resp: 23
Ion Ratio Lower Upper
278 100
139 105.4 14.3 21.5#
279 232.4 20.3 30.5#



#41
Benzo(g,h,i)perylene
Concen: 0.00 ng
RT: 26.364 min Scan# 3388
Delta R.T. -0.011 min
Lab File: BN014475.D
Acq: 28 Apr 2021 17:42

Tgt Ion:276 Resp: 47
Ion Ratio Lower Upper
276 100
277 109.3 19.5 29.3#
138 106.7 18.3 27.5#

