

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN030623\
 Data File : BN024133.D
 Acq On : 06 Mar 2023 13:37
 Operator : CG/JU
 Sample : PB150960BL
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SBLK960

Quant Time: Mar 07 04:31:08 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN030323.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Mar 07 04:27:04 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.058	152	223716	20.000	ng/ul	0.00
20) Naphthalene-d8	10.881	136	978380	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.693	164	605123	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.439	188	1262107	20.000	ng/ul	0.00
79) Chrysene-d12	21.633	240	1122282	20.000	ng/ul	0.00
88) Perylene-d12	24.163	264	1286642	20.000	ng/ul	0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.405	96	35449	6.181	ng/uL	0.00
4) Pyridine-d5	3.828	84	493920	31.125	ng/ul	0.00
7) Phenol-d5	7.199	99	623020	31.047	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.381	67	412580	32.106	ng/ul	0.00
11) 2-Chlorophenol-d4	7.581	132	487508	31.634	ng/ul	0.00
15) 4-Methylphenol-d8	8.758	113	482295	30.233	ng/ul	0.00
21) Nitrobenzene-d5	9.228	128	204005	32.126	ng/ul	0.00
24) 2-Nitrophenol-d4	9.952	143	228704	33.027	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.487	165	445274	29.799	ng/ul	0.00
31) 4-Chloroaniline-d4	11.010	131	684948	30.724	ng/ul	0.00
46) Dimethylphthalate-d6	14.104	166	1523505	32.622	ng/ul	0.00
49) Acenaphthylene-d8	14.393	160	1704761	31.360	ng/ul	0.00
54) 4-Nitrophenol-d4	14.869	143	209244	23.448	ng/ul	0.00
60) Fluorene-d10	15.687	176	1258753	32.071	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.793	200	145859	21.450	ng/ul	0.00
73) Anthracene-d10	17.540	188	1889171	31.738	ng/ul	0.00
81) Pyrene-d10	19.828	212	2268706	34.589	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.998	264	2256724	35.283	ng/ul	0.01
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.440	88	68	0.011	ng/ul#	18
5) Pyridine	3.846	79	1020	0.062	ng/ul#	1
6) Benzaldehyde	7.205	77	1221	0.125	ng/ul#	1
8) Phenol	7.228	94	188	0.009	ng/ul#	1
10) Bis(2-Chloroethyl)ether	7.469	93	205	0.012	ng/ul#	20
22) Nitrobenzene	9.269	77	402	0.023	ng/ul#	40
30) Naphthalene	10.928	128	211	0.004	ng/ul#	70
32) 4-Chloroaniline	11.040	127	117	0.005	ng/ul#	1
43) 1,1'-Biphenyl	13.534	154	226	0.005	ng/ul#	44
47) Dimethylphthalate	14.104	163	825	0.018	ng/ul#	1
50) Acenaphthylene	14.416	152	251	0.004	ng/ul#	61
56) Dibenzofuran	15.093	168	384	0.007	ng/ul#	37
57) 2,4-Dinitrotoluene	15.098	165	221	0.020	ng/ul#	8
59) Diethylphthalate	15.510	149	131	0.003	ng/ul#	60
61) Fluorene	15.687	166	2921	0.066	ng/ul#	17
63) 4-Nitroaniline	15.787	138	700	0.086	ng/ul#	1
66) 4,6-Dinitro-2-methylph...	15.793	198	528	0.077	ng/ul#	1
72) Phenanthrene	17.487	178	367	0.005	ng/ul#	61
74) Anthracene	17.581	178	312	0.004	ng/ul#	61
77) Carbazole	17.839	167	143	0.002	ng/ul#	59
78) Di-n-butylphthalate	18.404	149	779	0.010	ng/ul#	78
80) Fluoranthene	19.492	202	248	0.003	ng/ul#	71
82) Pyrene	19.857	202	472	0.006	ng/ul#	61
83) Butylbenzylphthalate	20.710	149	220	0.011	ng/ul#	20

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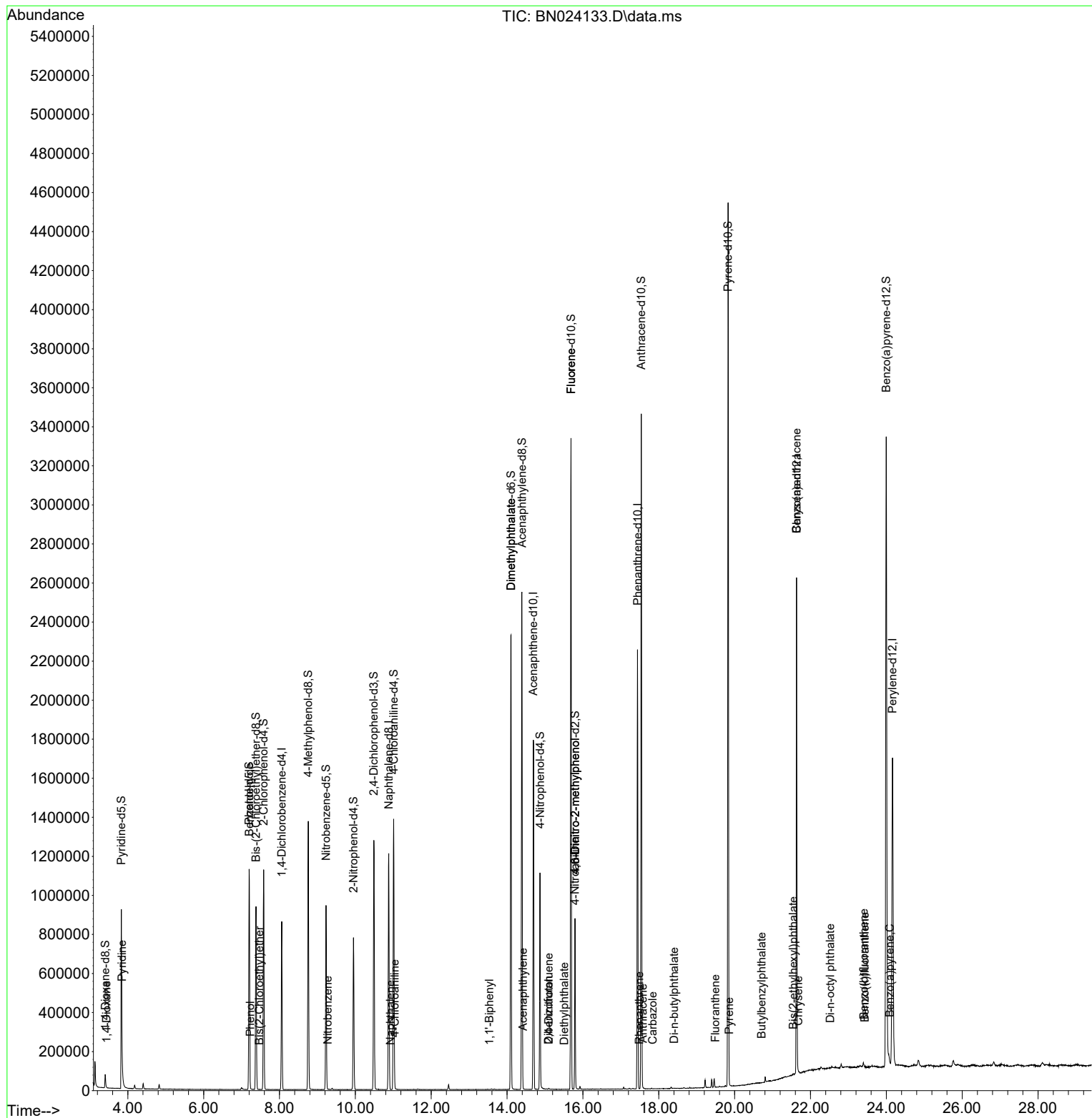
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
85) Benzo(a)anthracene	21.633	228	2819	0.036	ng/ul#	70
86) Bis(2-ethylhexyl)phtha...	21.545	149	1508	0.044	ng/ul#	90
87) Chrysene	21.675	228	350	0.005	ng/ul#	47
89) Di-n-octyl phthalate	22.522	149	230	0.003	ng/ul	100
90) Benzo(b)fluoranthene	23.404	252	140	0.002	ng/ul#	1
91) Benzo(k)fluoranthene	23.433	252	140	0.002	ng/ul#	1
93) Benzo(a)pyrene	24.092	252	253	0.004	ng/ul#	1

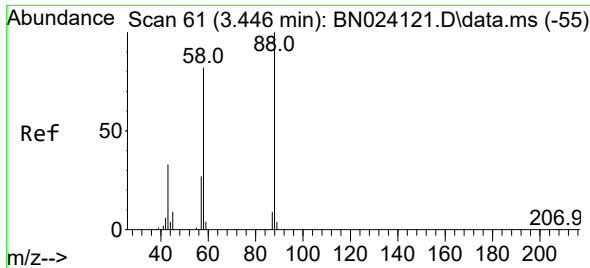
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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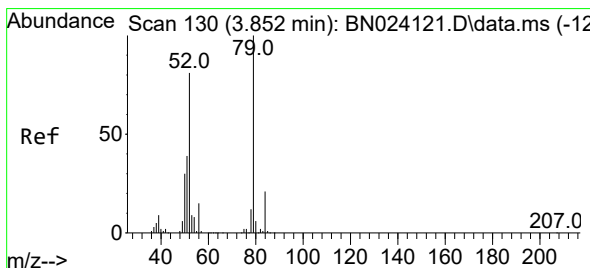
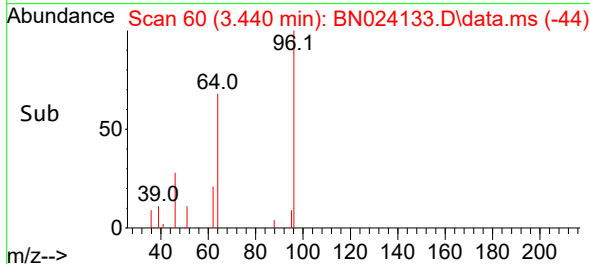
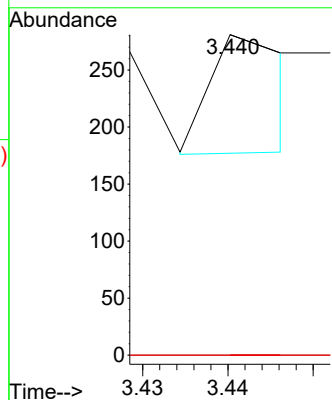
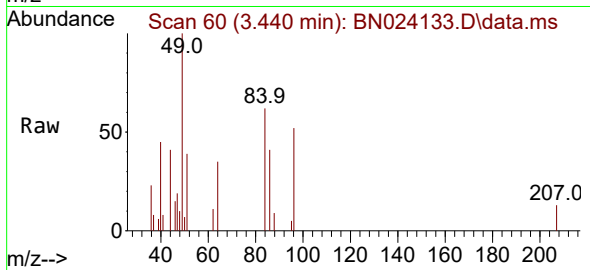




#2
1,4-Dioxane
Concen: 0.011 ng/uL
RT: 3.440 min Scan# 61
Delta R.T. -0.006 min
Lab File: BN024133.D
Acq: 06 Mar 2023 13:37

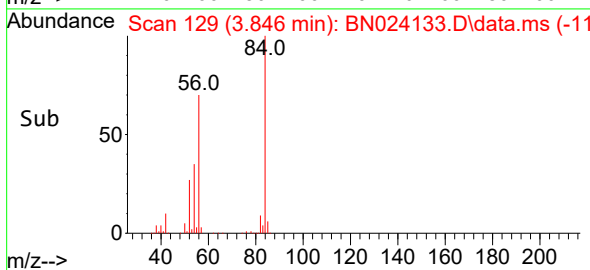
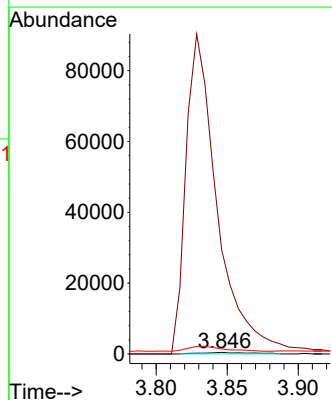
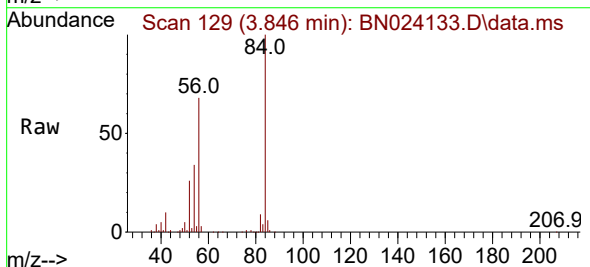
Instrument :
BNA_N
ClientSampleId :
SBLK960

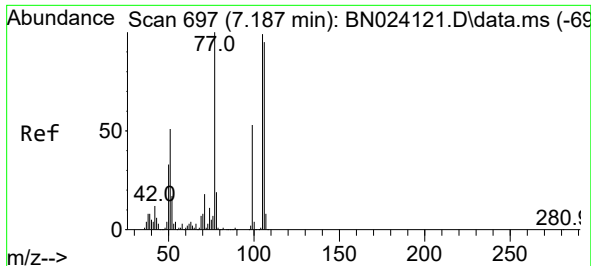
Tgt Ion: 88 Resp: 68
Ion Ratio Lower Upper
88 100
43 0.0 26.2 39.4#
58 0.0 64.9 97.3#



#5
Pyridine
Concen: 0.062 ng/uL
RT: 3.846 min Scan# 129
Delta R.T. -0.006 min
Lab File: BN024133.D
Acq: 06 Mar 2023 13:37

Tgt Ion: 79 Resp: 1020
Ion Ratio Lower Upper
79 100
52 6587.9 65.1 97.7#
51 327.1 31.4 47.0#

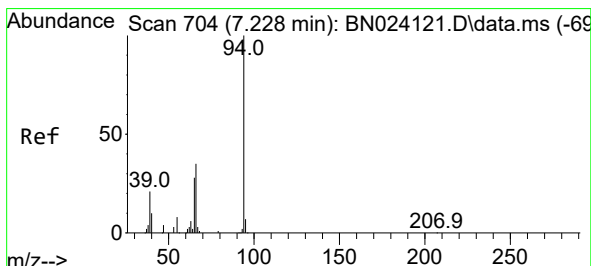
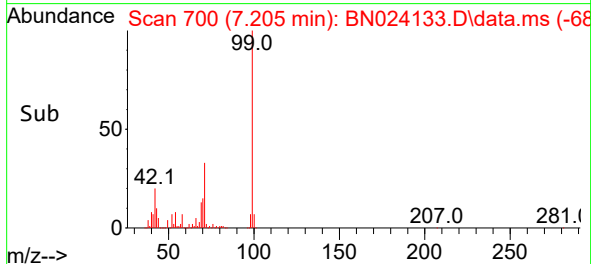
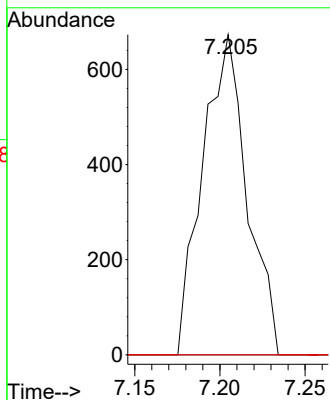
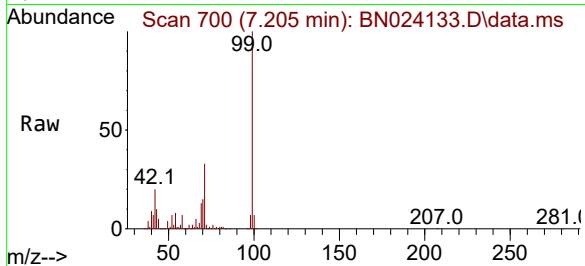




#6
Benzaldehyde
Concen: 0.125 ng/ul
RT: 7.205 min Scan# 700
Delta R.T. 0.018 min
Lab File: BN024133.D
Acq: 06 Mar 2023 13:37

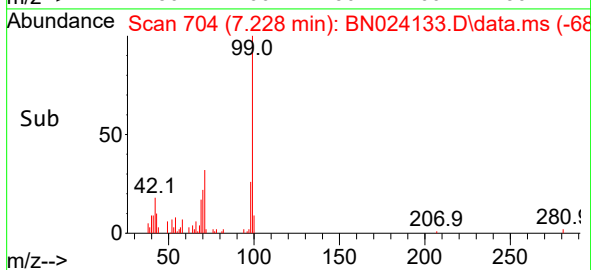
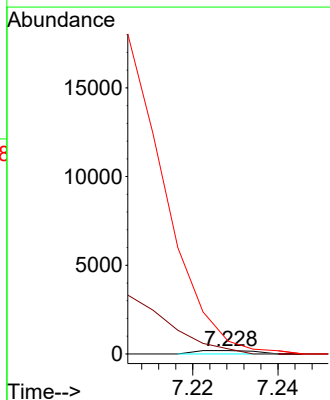
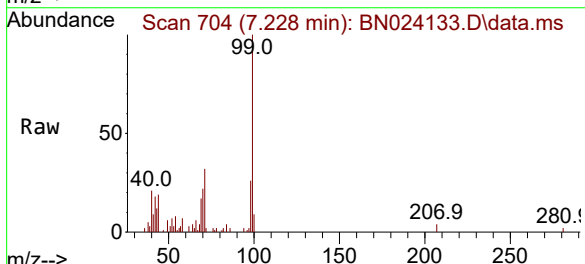
Instrument :
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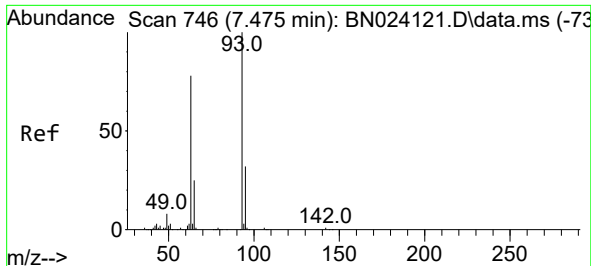
Tgt Ion: 77 Resp: 1221
Ion Ratio Lower Upper
77 100
105 0.0 79.2 118.8#
106 0.0 75.9 113.9#



#8
Phenol
Concen: 0.009 ng/ul
RT: 7.228 min Scan# 704
Delta R.T. 0.000 min
Lab File: BN024133.D
Acq: 06 Mar 2023 13:37

Tgt Ion: 94 Resp: 188
Ion Ratio Lower Upper
94 100
65 151.3 22.9 34.3#
66 380.1 29.0 43.6#





#10

Bis(2-Chloroethyl)ether

Concen: 0.012 ng/ul

RT: 7.469 min Scan# 746

Delta R.T. -0.006 min

Lab File: BN024133.D

Acq: 06 Mar 2023 13:37

Instrument :

BNA_N

ClientSampleId :

SBLK960

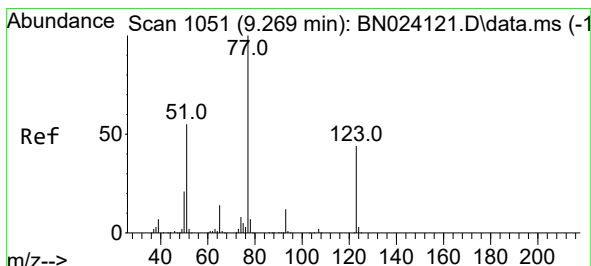
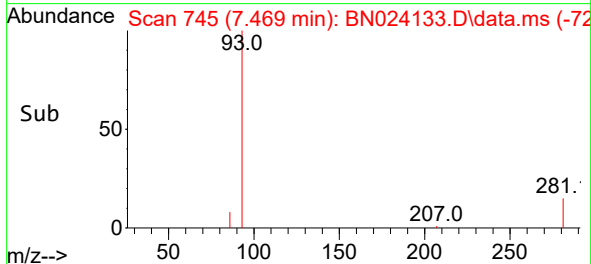
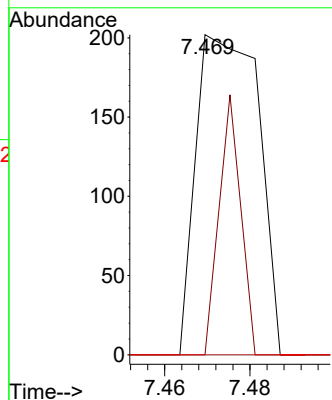
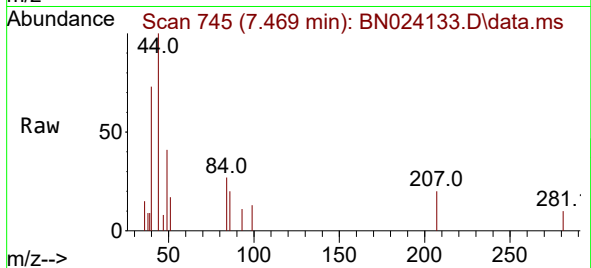
Tgt Ion: 93 Resp: 205

Ion Ratio Lower Upper

93 100

63 0.0 62.6 93.8#

95 0.0 25.8 38.6#



#22

Nitrobenzene

Concen: 0.023 ng/ul

RT: 9.269 min Scan# 1051

Delta R.T. 0.000 min

Lab File: BN024133.D

Acq: 06 Mar 2023 13:37

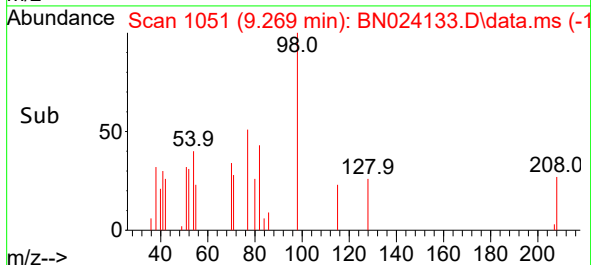
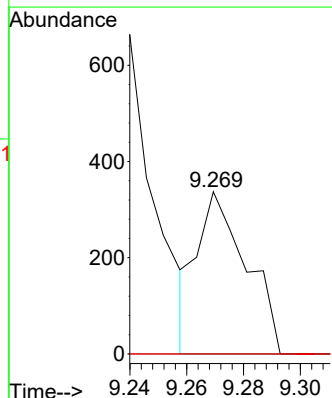
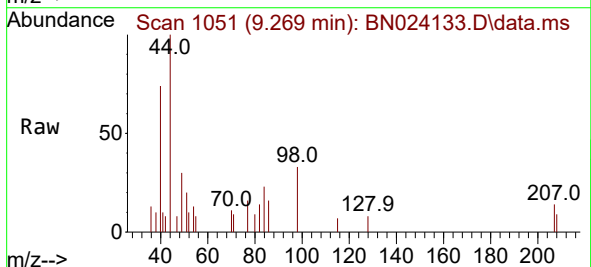
Tgt Ion: 77 Resp: 402

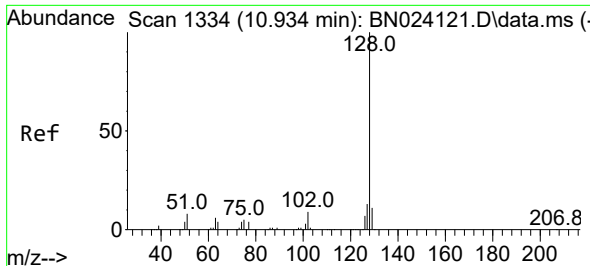
Ion Ratio Lower Upper

77 100

123 0.0 34.8 52.2#

65 0.0 11.0 16.4#

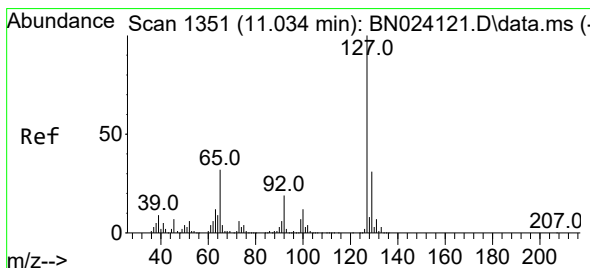
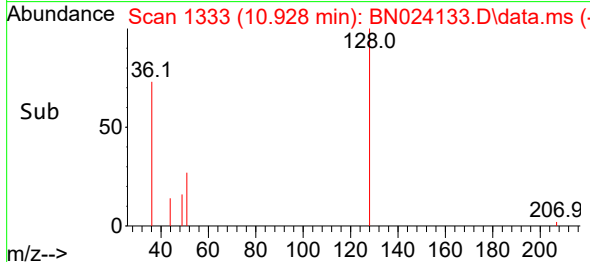
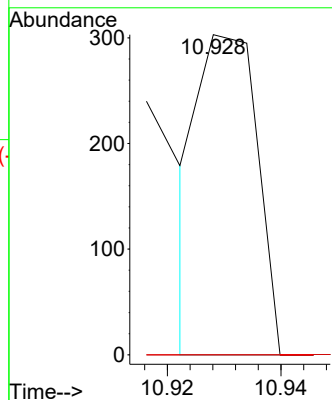
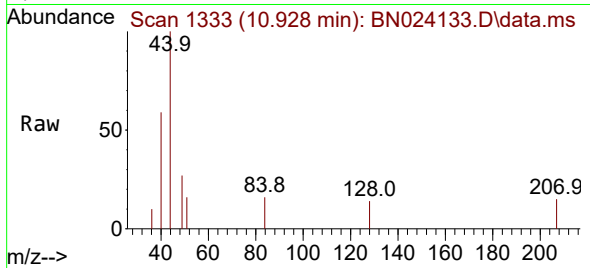




#30
Naphthalene
Concen: 0.004 ng/ul
RT: 10.928 min Scan# 1333
Delta R.T. 0.000 min
Lab File: BN024133.D
Acq: 06 Mar 2023 13:37

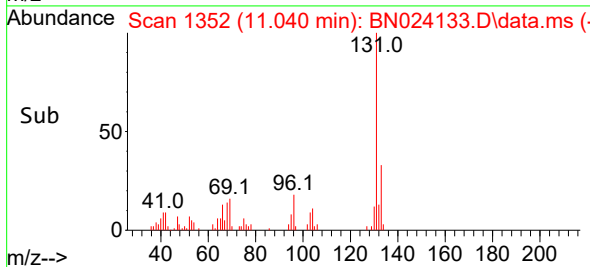
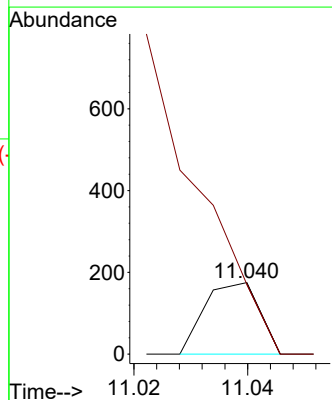
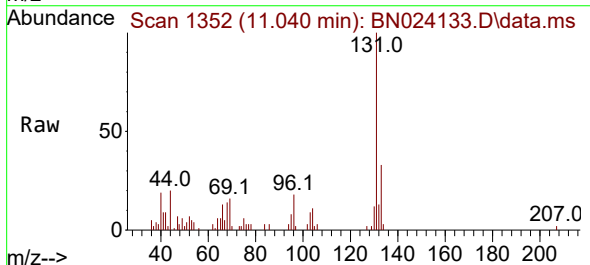
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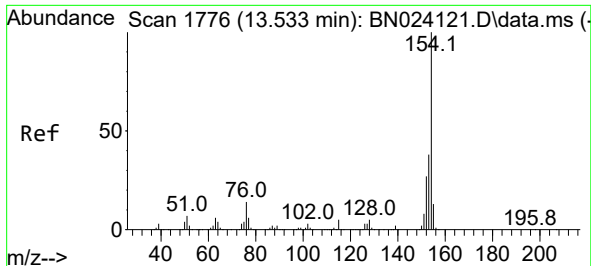
Tgt Ion:128 Resp: 211
Ion Ratio Lower Upper
128 100
129 0.0 8.6 12.8#
127 0.0 10.1 15.1#



#32
4-Chloroaniline
Concen: 0.005 ng/ul
RT: 11.040 min Scan# 1352
Delta R.T. 0.006 min
Lab File: BN024133.D
Acq: 06 Mar 2023 13:37

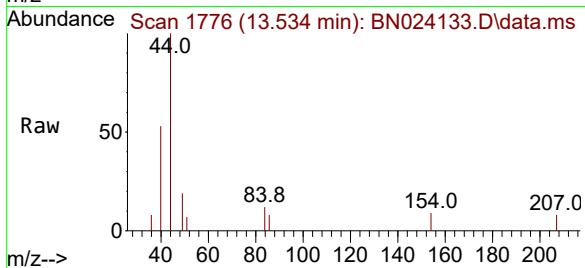
Tgt Ion:127 Resp: 117
Ion Ratio Lower Upper
127 100
129 97.7 25.1 37.7#



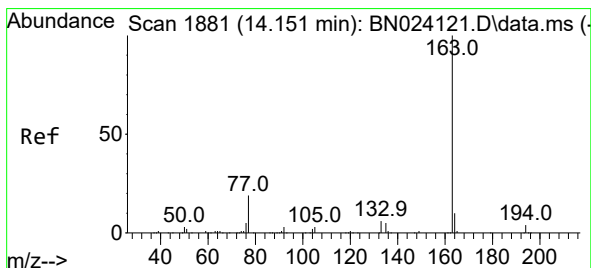
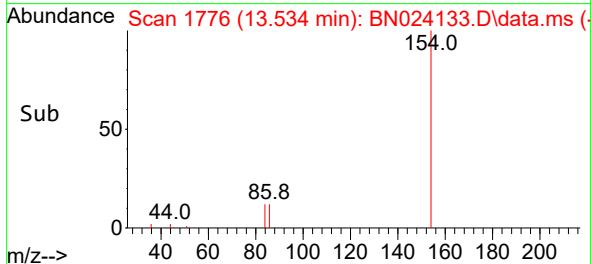
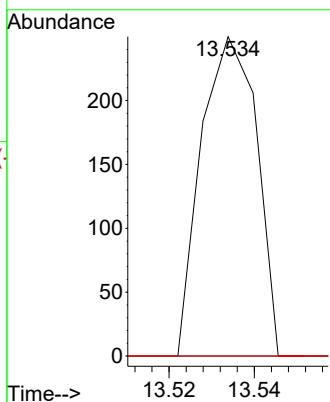


#43
1,1'-Biphenyl
Concen: 0.005 ng/ul
RT: 13.534 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN024133.D
Acq: 06 Mar 2023 13:37

Instrument :
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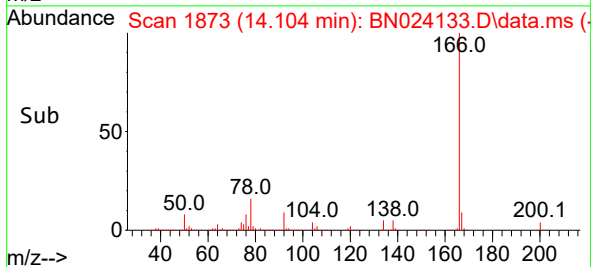
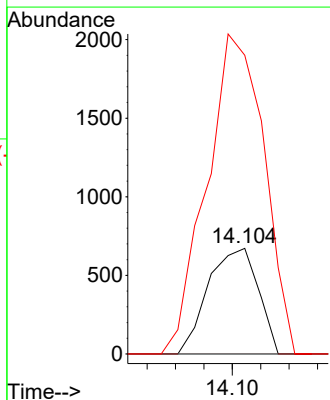
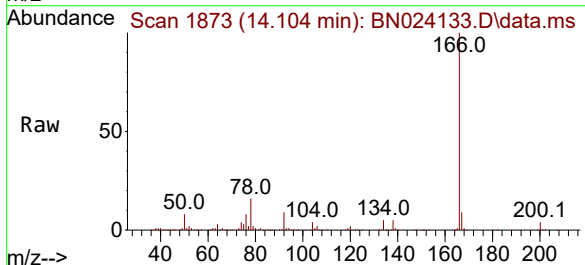


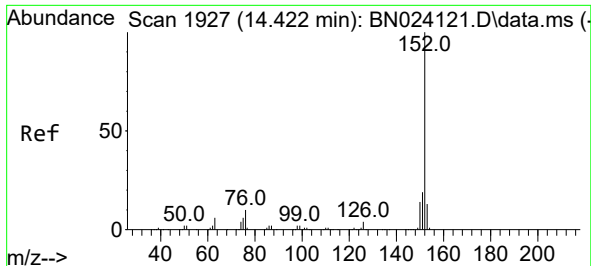
Tgt Ion:154 Resp: 226
Ion Ratio Lower Upper
154 100
153 0.0 30.8 46.2#
76 0.0 11.1 16.7#



#47
Dimethylphthalate
Concen: 0.018 ng/ul
RT: 14.104 min Scan# 1873
Delta R.T. -0.047 min
Lab File: BN024133.D
Acq: 06 Mar 2023 13:37

Tgt Ion:163 Resp: 825
Ion Ratio Lower Upper
163 100
194 0.0 3.1 4.7#
164 282.9 8.1 12.1#

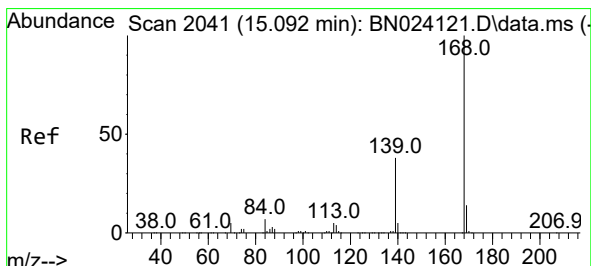
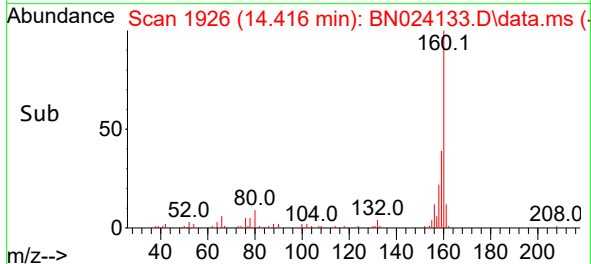
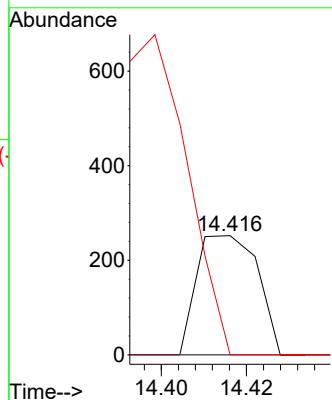
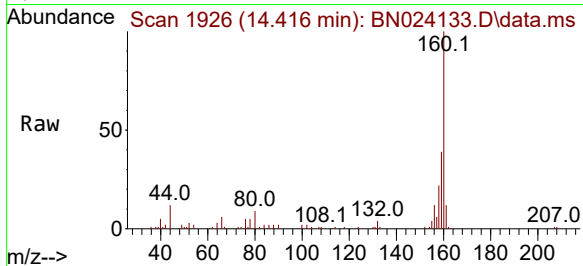




#50
Acenaphthylene
Concen: 0.004 ng/ul
RT: 14.416 min Scan# 1927
Delta R.T. 0.000 min
Lab File: BN024133.D
Acq: 06 Mar 2023 13:37

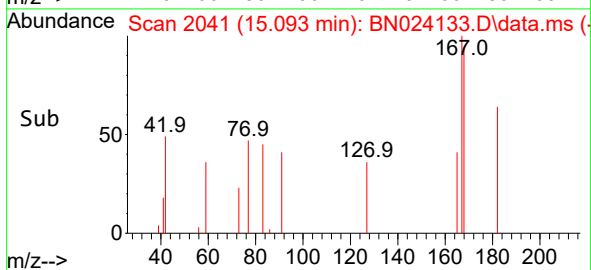
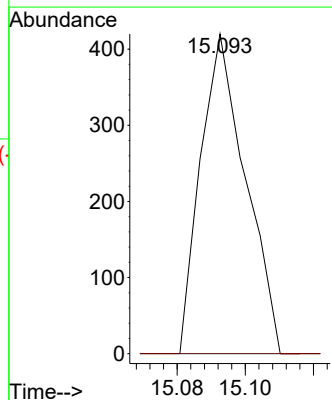
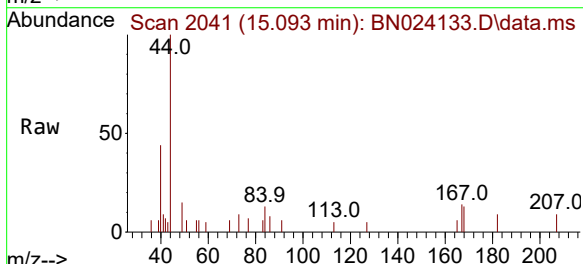
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ClientSampleId :
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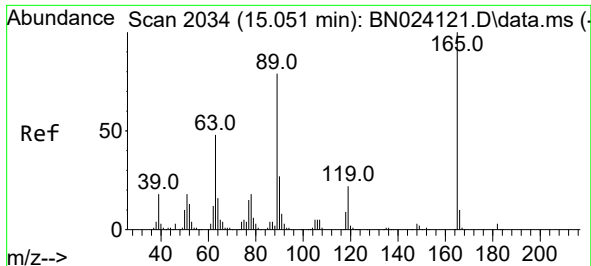
Tgt Ion:152 Resp: 251
Ion Ratio Lower Upper
152 100
151 0.0 15.6 23.4#
153 0.0 10.1 15.1#



#56
Dibenzofuran
Concen: 0.007 ng/ul
RT: 15.093 min Scan# 2041
Delta R.T. 0.000 min
Lab File: BN024133.D
Acq: 06 Mar 2023 13:37

Tgt Ion:168 Resp: 384
Ion Ratio Lower Upper
168 100
139 0.0 30.7 46.1#





#57

2,4-Dinitrotoluene

Concen: 0.020 ng/ul

RT: 15.098 min Scan# 2042

Delta R.T. 0.053 min

Lab File: BN024133.D

Acq: 06 Mar 2023 13:37

Instrument :

BNA_N

ClientSampleId :

SBLK960

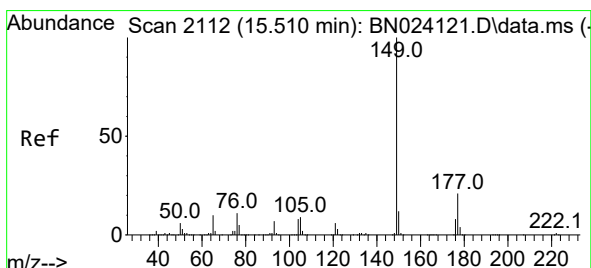
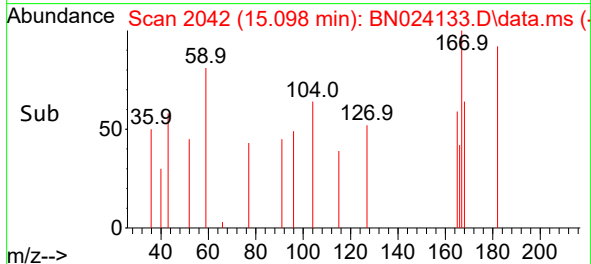
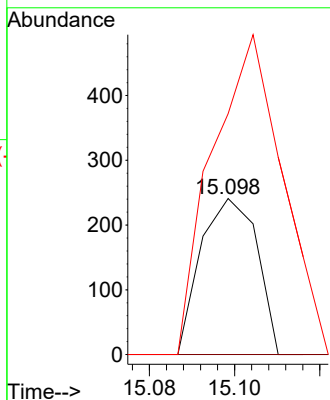
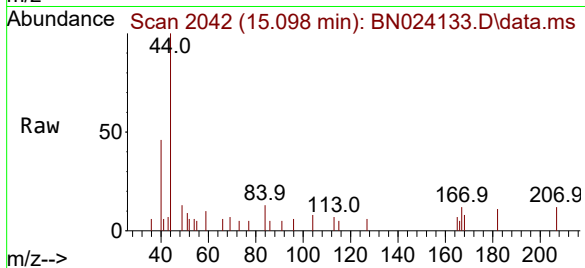
Tgt Ion:165 Resp: 221

Ion Ratio Lower Upper

165 100

63 0.0 38.5 57.7#

182 154.4 2.2 3.4#



#59

Diethylphthalate

Concen: 0.003 ng/ul

RT: 15.510 min Scan# 2112

Delta R.T. 0.000 min

Lab File: BN024133.D

Acq: 06 Mar 2023 13:37

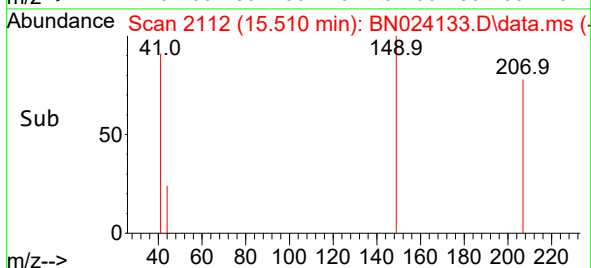
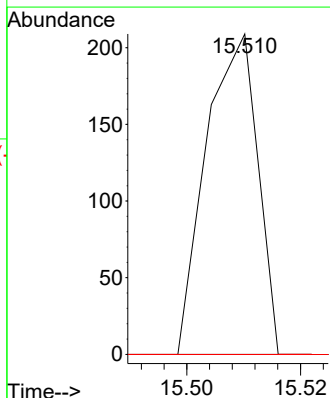
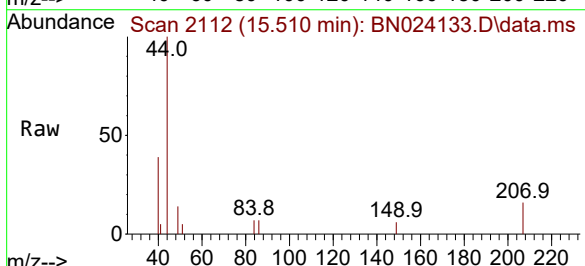
Tgt Ion:149 Resp: 131

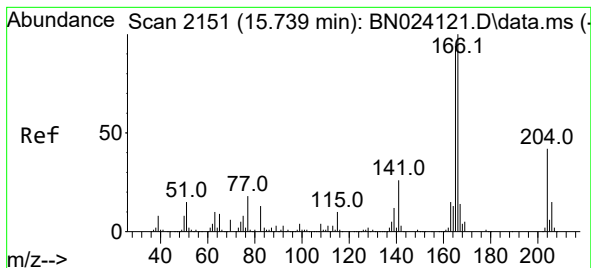
Ion Ratio Lower Upper

149 100

177 0.0 16.9 25.3#

150 0.0 9.7 14.5#





#61

Fluorene

Concen: 0.066 ng/ul

RT: 15.687 min Scan# 2151

Delta R.T. -0.053 min

Lab File: BN024133.D

Acq: 06 Mar 2023 13:37

Instrument :

BNA_N

ClientSampleId :

SBLK960

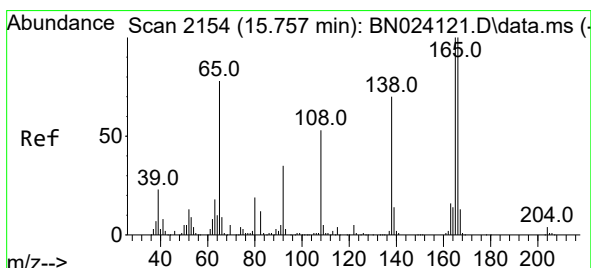
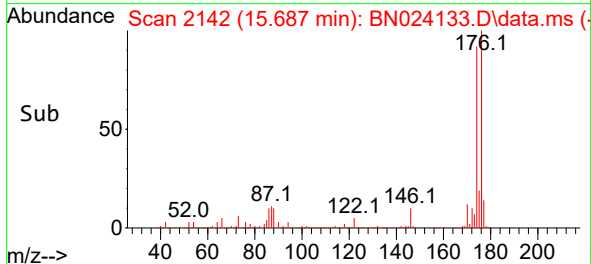
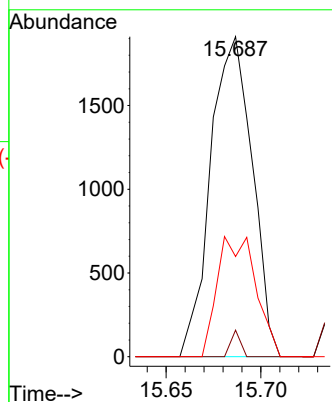
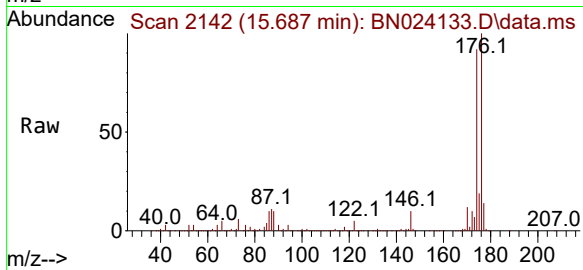
Tgt Ion:166 Resp: 2921

Ion Ratio Lower Upper

166 100

165 8.3 75.6 113.4#

167 31.3 11.2 16.8#



#63

4-Nitroaniline

Concen: 0.086 ng/ul

RT: 15.787 min Scan# 2159

Delta R.T. 0.035 min

Lab File: BN024133.D

Acq: 06 Mar 2023 13:37

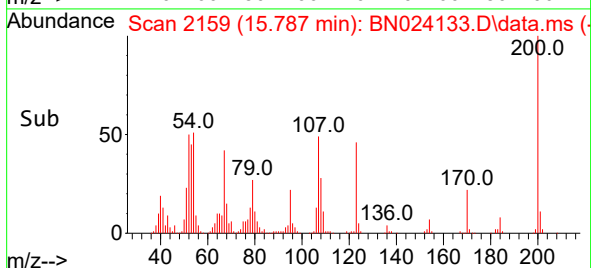
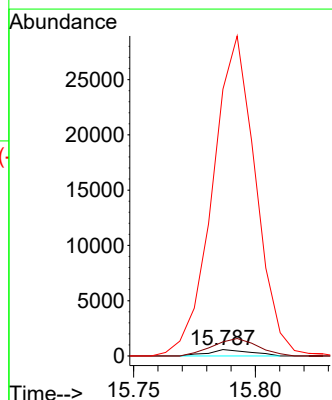
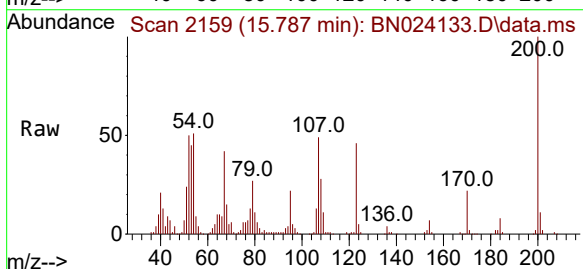
Tgt Ion:138 Resp: 700

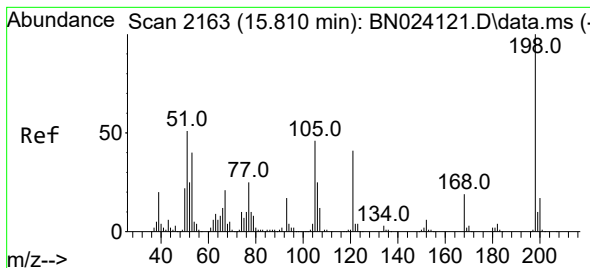
Ion Ratio Lower Upper

138 100

92 216.6 40.0 60.0#

108 4116.0 60.4 90.6#

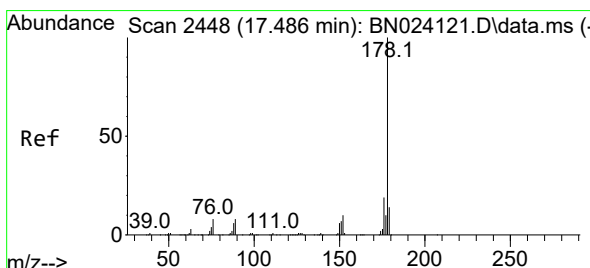
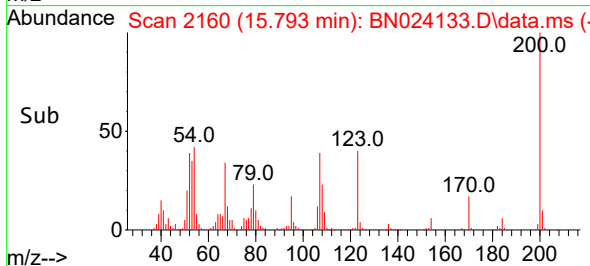
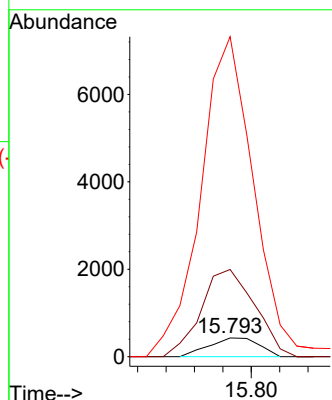
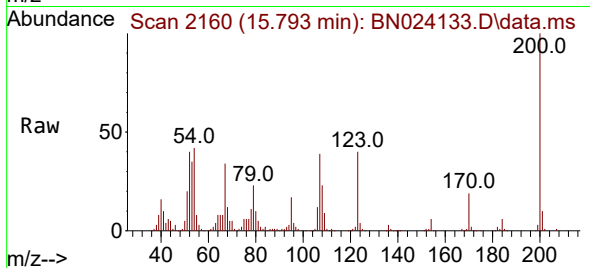




#66
 4,6-Dinitro-2-methylphenol
 Concen: 0.077 ng/ul
 RT: 15.793 min Scan# 2160
 Delta R.T. -0.018 min
 Lab File: BN024133.D
 Acq: 06 Mar 2023 13:37

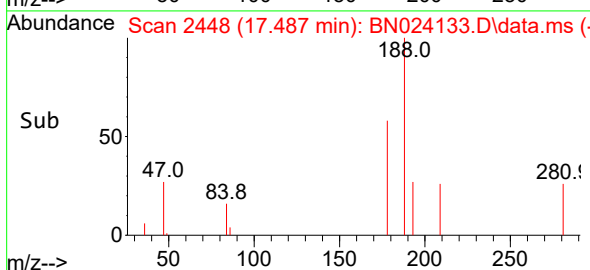
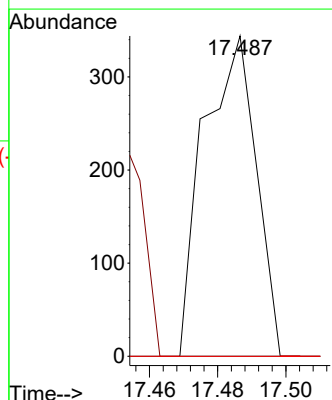
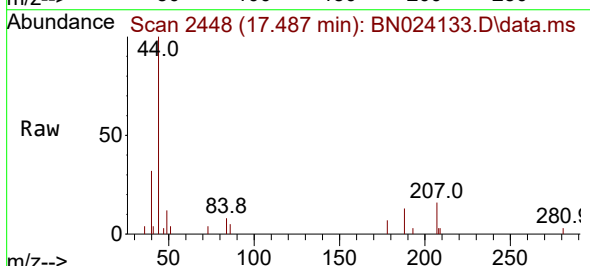
Instrument :
 BNA_N
 ClientSampleId :
 SBLK960

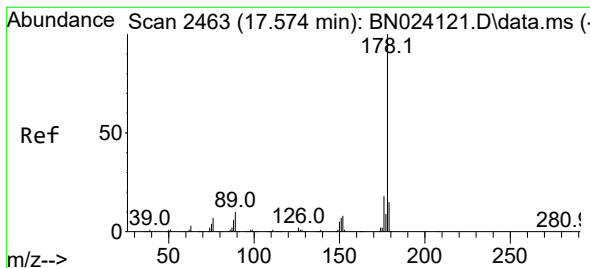
Tgt Ion:198 Resp: 528
 Ion Ratio Lower Upper
 198 100
 182 465.9 3.4 5.0#
 77 1710.7 20.4 30.6#



#72
 Phenanthrene
 Concen: 0.005 ng/ul
 RT: 17.487 min Scan# 2448
 Delta R.T. 0.006 min
 Lab File: BN024133.D
 Acq: 06 Mar 2023 13:37

Tgt Ion:178 Resp: 367
 Ion Ratio Lower Upper
 178 100
 179 0.0 11.6 17.4#
 176 0.0 14.9 22.3#





#74

Anthracene

Concen: 0.004 ng/u1

RT: 17.581 min Scan# 2464

Delta R.T. 0.006 min

Lab File: BN024133.D

Acq: 06 Mar 2023 13:37

Instrument :

BNA_N

ClientSampleId :

SBLK960

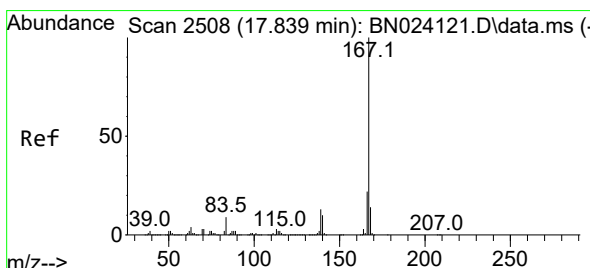
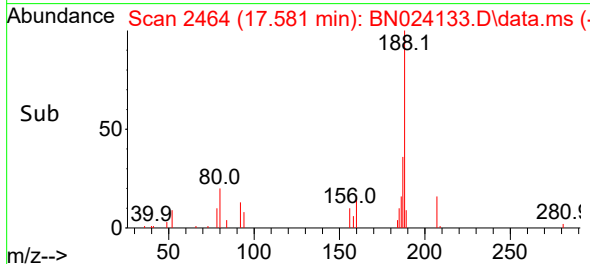
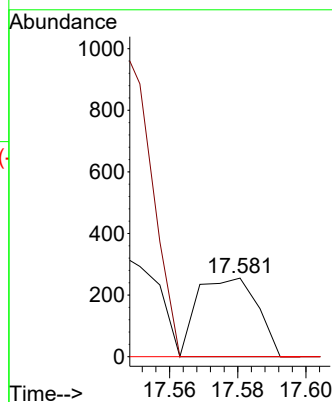
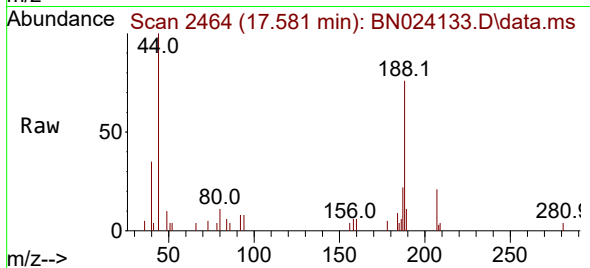
Tgt Ion:178 Resp: 312

Ion Ratio Lower Upper

178 100

179 0.0 11.9 17.9#

176 0.0 14.6 21.8#



#77

Carbazole

Concen: 0.002 ng/u1

RT: 17.839 min Scan# 2508

Delta R.T. 0.000 min

Lab File: BN024133.D

Acq: 06 Mar 2023 13:37

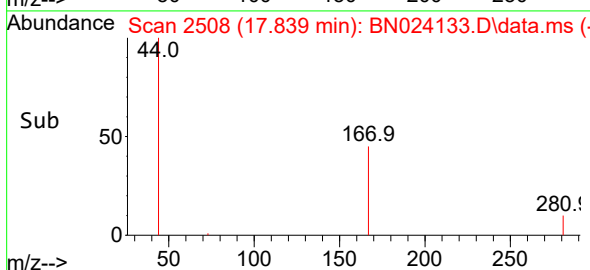
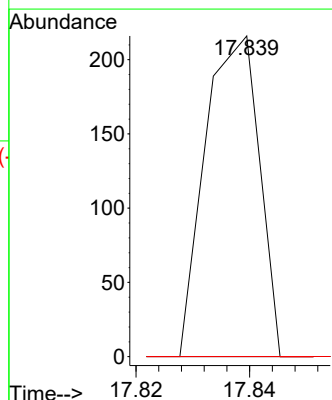
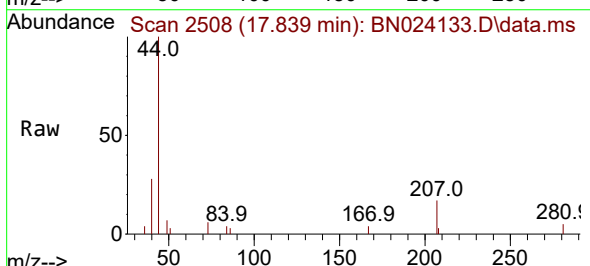
Tgt Ion:167 Resp: 143

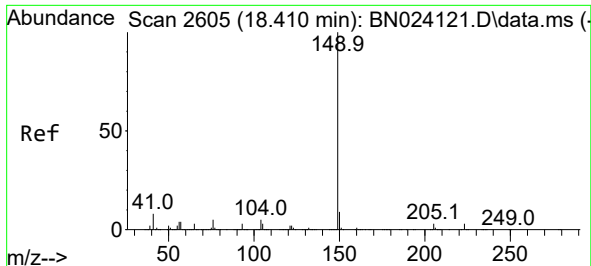
Ion Ratio Lower Upper

167 100

166 0.0 17.3 25.9#

139 0.0 10.5 15.7#

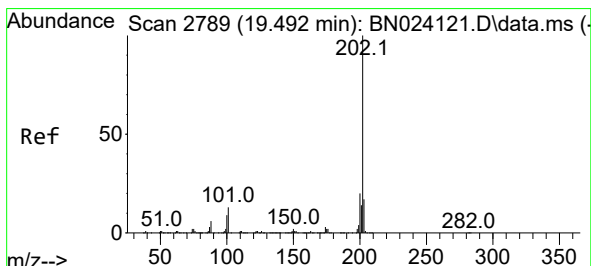
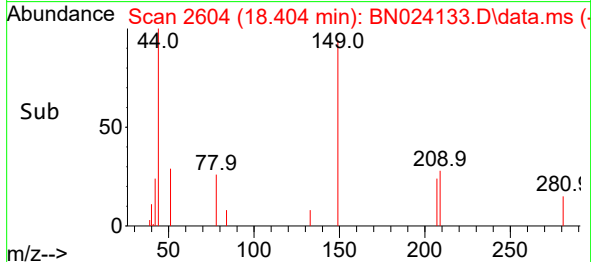
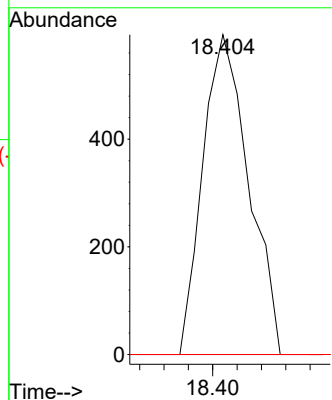
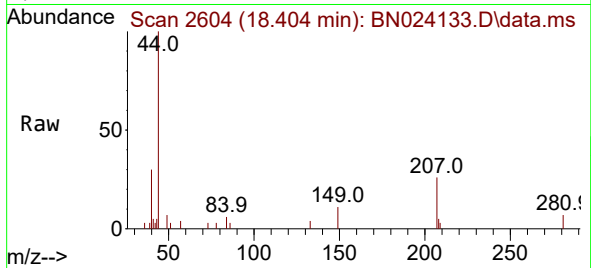




#78
Di-n-butylphthalate
Concen: 0.010 ng/ul
RT: 18.404 min Scan# 2604
Delta R.T. -0.006 min
Lab File: BN024133.D
Acq: 06 Mar 2023 13:37

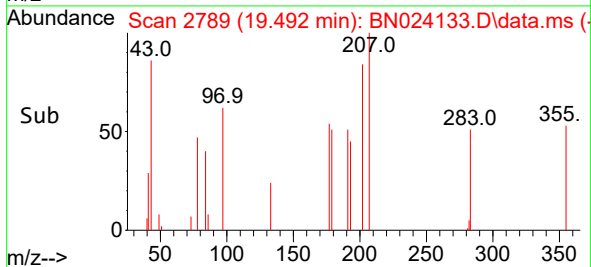
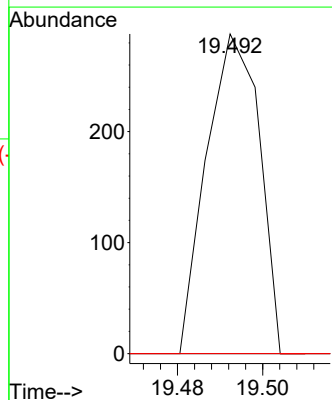
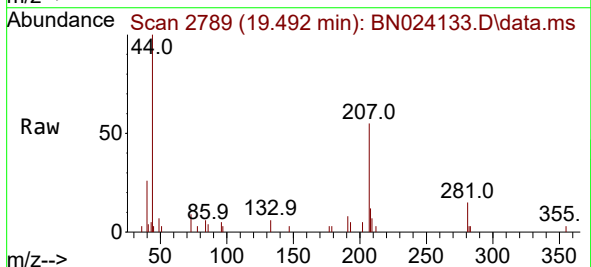
Instrument :
BNA_N
ClientSampleId :
SBLK960

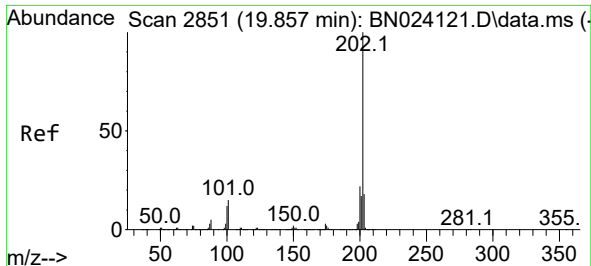
Tgt Ion:149 Resp: 779
Ion Ratio Lower Upper
149 100
150 0.0 7.4 11.0#
104 0.0 4.0 6.0#



#80
Fluoranthene
Concen: 0.003 ng/ul
RT: 19.492 min Scan# 2789
Delta R.T. 0.000 min
Lab File: BN024133.D
Acq: 06 Mar 2023 13:37

Tgt Ion:202 Resp: 248
Ion Ratio Lower Upper
202 100
101 0.0 10.0 15.0#
100 0.0 7.6 11.4#

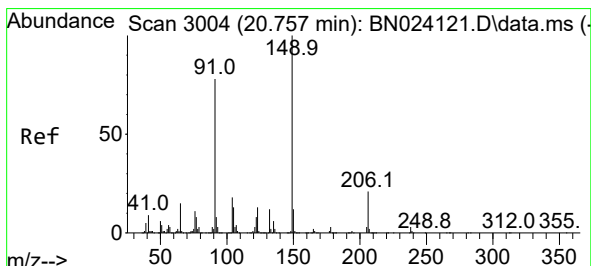
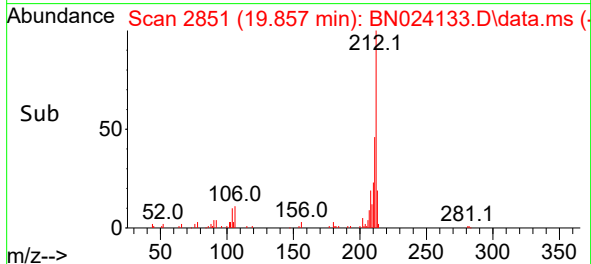
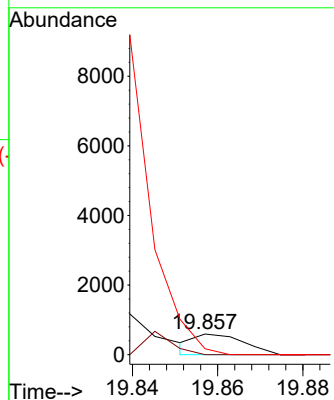
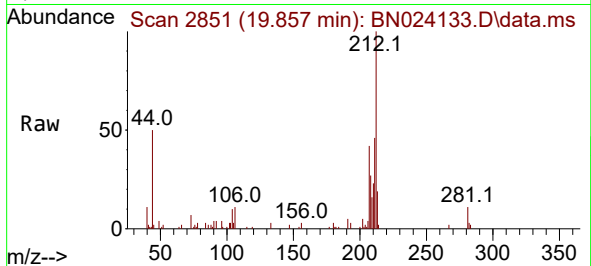




#82
 Pyrene
 Concen: 0.006 ng/ul
 RT: 19.857 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BN024133.D
 Acq: 06 Mar 2023 13:37

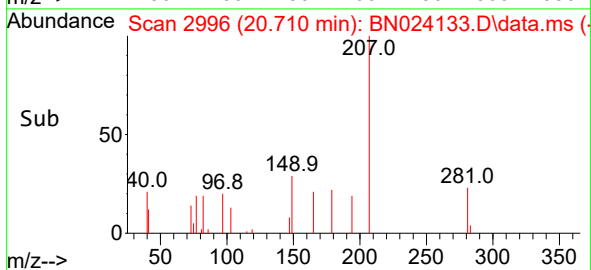
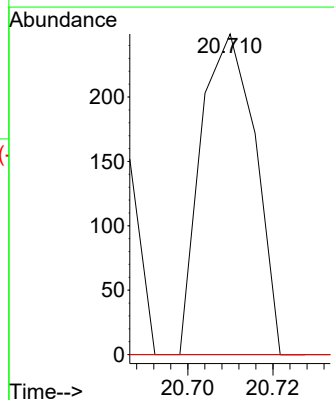
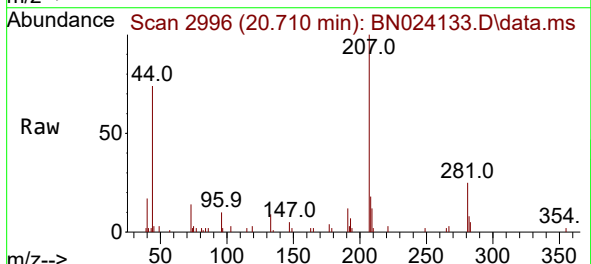
Instrument :
 BNA_N
 ClientSampleId :
 SBLK960

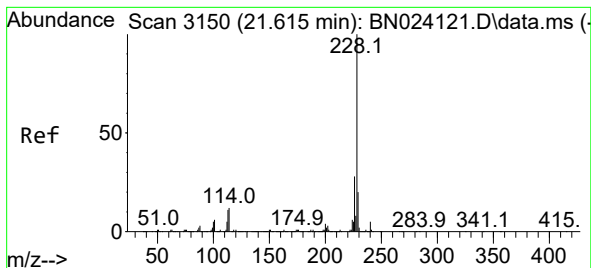
Tgt Ion:202 Resp: 472
 Ion Ratio Lower Upper
 202 100
 101 0.0 11.9 17.9#
 100 29.1 9.9 14.9#



#83
 Butylbenzylphthalate
 Concen: 0.011 ng/ul
 RT: 20.710 min Scan# 2996
 Delta R.T. -0.041 min
 Lab File: BN024133.D
 Acq: 06 Mar 2023 13:37

Tgt Ion:149 Resp: 220
 Ion Ratio Lower Upper
 149 100
 91 0.0 62.2 93.2#
 206 0.0 16.4 24.6#





#85

Benzo(a)anthracene

Concen: 0.036 ng/ul

RT: 21.633 min Scan# 3153

Delta R.T. 0.024 min

Lab File: BN024133.D

Acq: 06 Mar 2023 13:37

Instrument :

BNA_N

ClientSampleId :

SBLK960

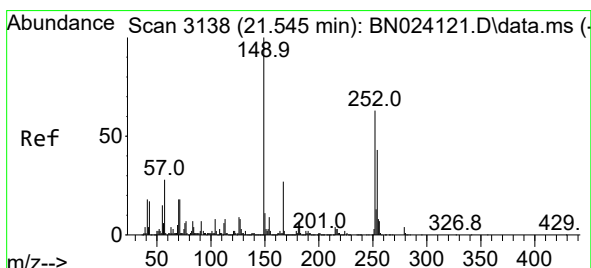
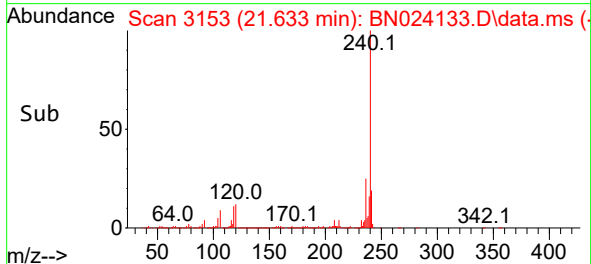
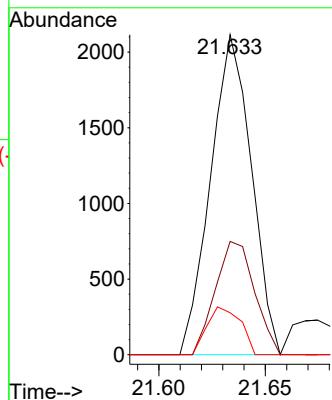
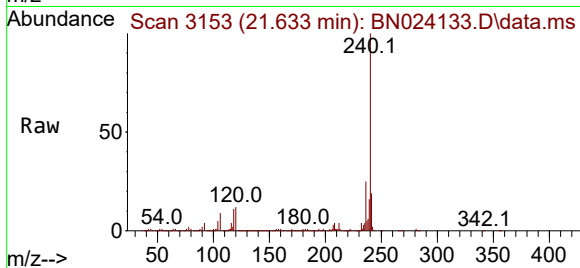
Tgt Ion:228 Resp: 2819

Ion Ratio Lower Upper

228 100

229 35.4 16.3 24.5#

226 13.1 22.6 34.0#



#86

Bis(2-ethylhexyl)phthalate

Concen: 0.044 ng/ul

RT: 21.545 min Scan# 3138

Delta R.T. 0.012 min

Lab File: BN024133.D

Acq: 06 Mar 2023 13:37

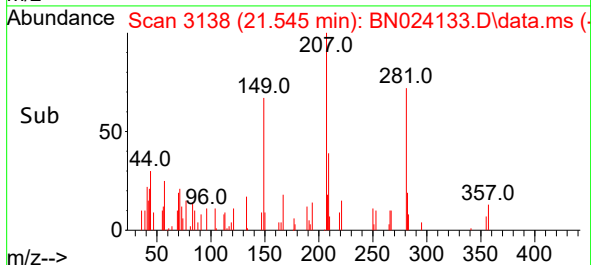
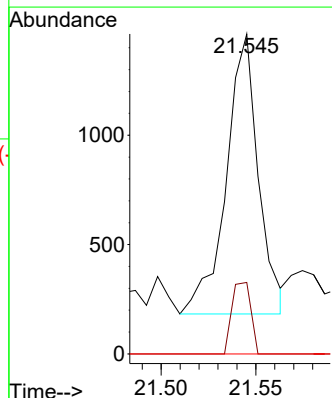
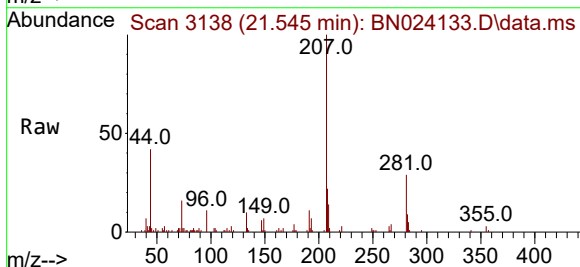
Tgt Ion:149 Resp: 1508

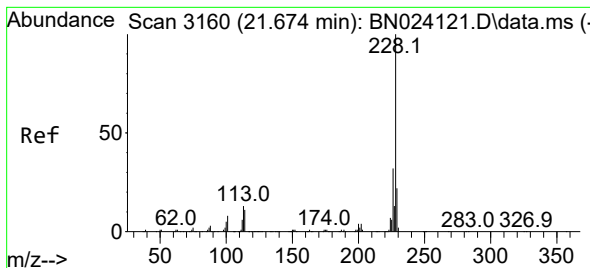
Ion Ratio Lower Upper

149 100

167 22.4 21.6 32.4

279 0.0 3.4 5.2#





#87

Chrysene

Concen: 0.005 ng/ul

RT: 21.675 min Scan# 3160

Delta R.T. 0.006 min

Lab File: BN024133.D

Acq: 06 Mar 2023 13:37

Instrument :

BNA_N

ClientSampleId :

SBLK960

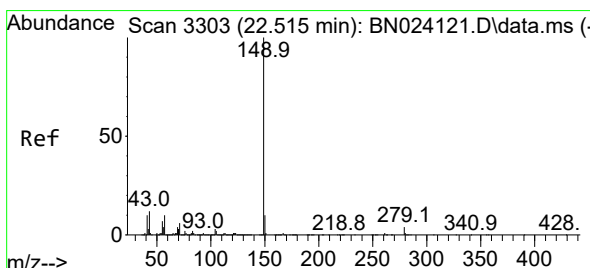
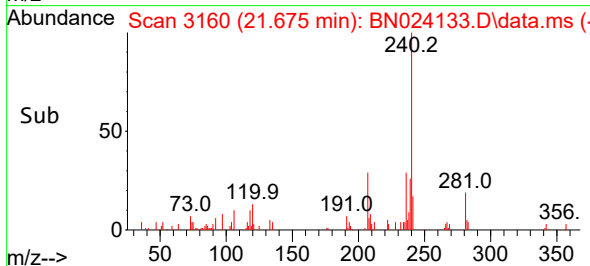
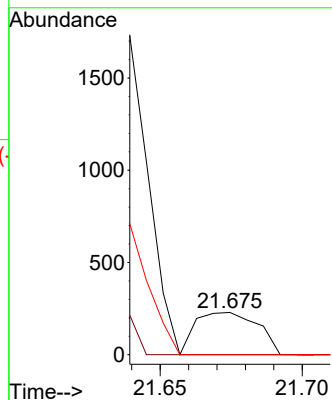
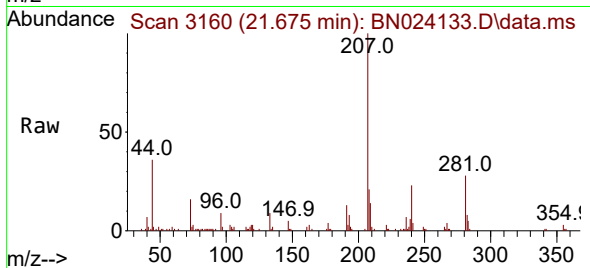
Tgt Ion:228 Resp: 350

Ion Ratio Lower Upper

228 100

226 0.0 25.8 38.6#

229 0.0 17.5 26.3#



#89

Di-n-octyl phthalate

Concen: 0.003 ng/ul

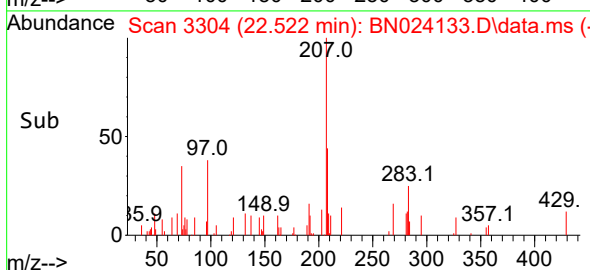
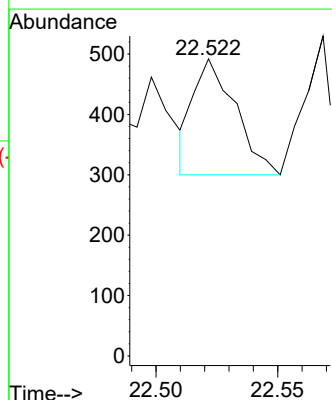
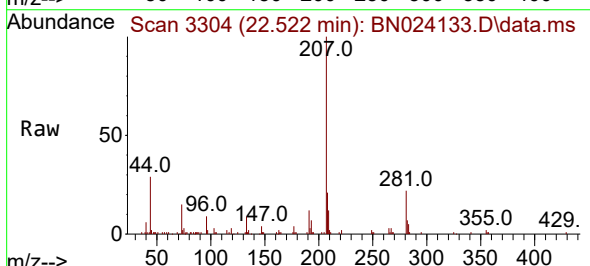
RT: 22.522 min Scan# 3304

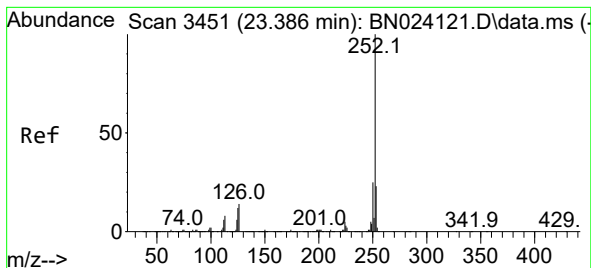
Delta R.T. 0.018 min

Lab File: BN024133.D

Acq: 06 Mar 2023 13:37

Tgt Ion:149 Resp: 230





#90

Benzo(b)fluoranthene

Concen: 0.002 ng/ul

RT: 23.404 min Scan# 3451

Delta R.T. 0.024 min

Lab File: BN024133.D

Acq: 06 Mar 2023 13:37

Instrument :

BNA_N

ClientSampleId :

SBLK960

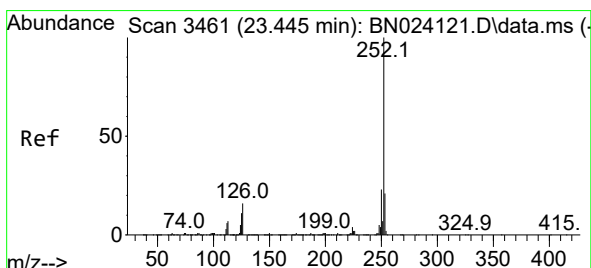
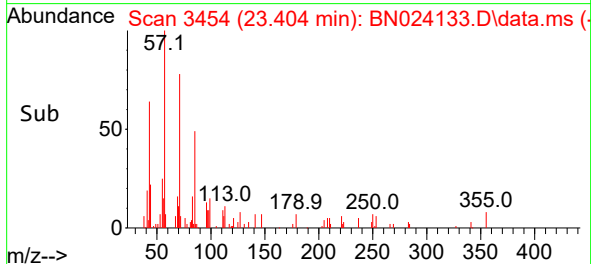
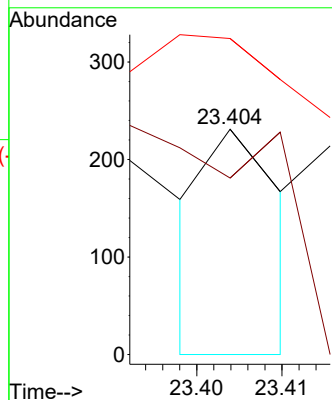
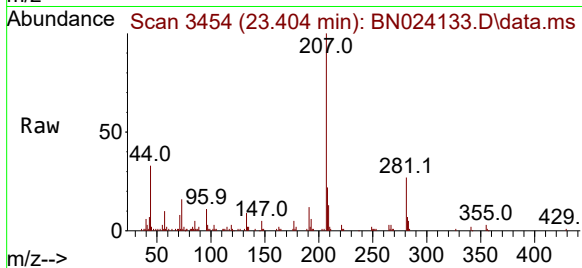
Tgt Ion:252 Resp: 140

Ion Ratio Lower Upper

252 100

253 78.4 18.3 27.5#

125 140.3 9.5 14.3#



#91

Benzo(k)fluoranthene

Concen: 0.002 ng/ul

RT: 23.433 min Scan# 3459

Delta R.T. 0.006 min

Lab File: BN024133.D

Acq: 06 Mar 2023 13:37

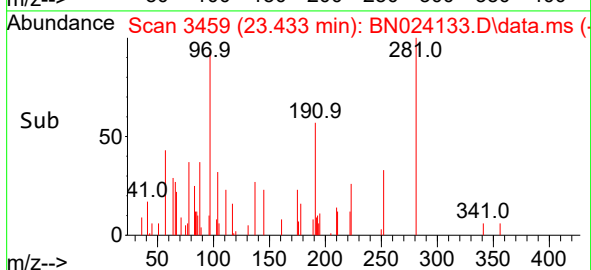
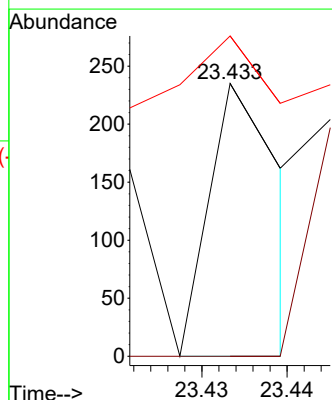
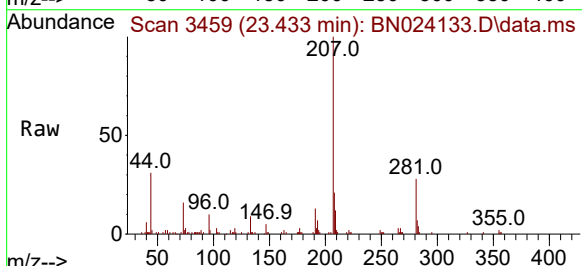
Tgt Ion:252 Resp: 140

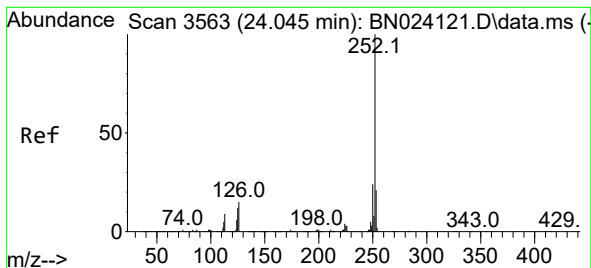
Ion Ratio Lower Upper

252 100

253 0.0 17.4 26.0#

125 117.4 9.0 13.6#





#93

Benzo(a)pyrene

Concen: 0.004 ng/ul

RT: 24.092 min Scan# 3571

Delta R.T. 0.047 min

Lab File: BN024133.D

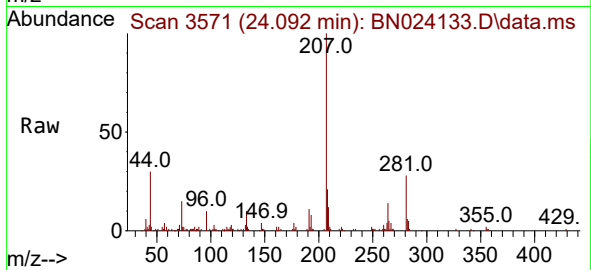
Acq: 06 Mar 2023 13:37

Instrument :

BNA_N

ClientSampleId :

SBLK960



Tgt Ion:252 Resp: 253

Ion Ratio Lower Upper

252 100

253 0.0 17.0 25.4#

125 167.2 9.5 14.3#

