

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN030623\
 Data File : BN024134.D
 Acq On : 06 Mar 2023 14:15
 Operator : CG/JU
 Sample : SP6144
 Misc : SFAM SURROGATES
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SP6144

Quant Time: Mar 07 04:31:26 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	8.057	152	269522	20.000	ng/ul	0.00
20) Naphthalene-d8	10.881	136	1152966	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.698	164	698923	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.439	188	1482583	20.000	ng/ul	0.00
79) Chrysene-d12	21.627	240	1248824	20.000	ng/ul	0.00
88) Perylene-d12	24.139	264	1403485	20.000	ng/ul	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.405	96	106503	15.415	ng/uL	0.00
4) Pyridine-d5	3.828	84	1482042	77.521	ng/ul	0.00
7) Phenol-d5	7.205	99	1755621	72.618	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.381	67	1144829	73.947	ng/ul	0.00
11) 2-Chlorophenol-d4	7.587	132	1359988	73.251	ng/ul	0.00
15) 4-Methylphenol-d8	8.763	113	1352696	70.384	ng/ul	0.00
21) Nitrobenzene-d5	9.228	128	641135	85.675	ng/ul	0.00
24) 2-Nitrophenol-d4	9.957	143	720880	88.338	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.493	165	1251613	71.078	ng/ul	0.00
31) 4-Chloroaniline-d4	11.016	131	1879109	71.525	ng/ul	0.00
46) Dimethylphthalate-d6	14.104	166	3788984	70.243	ng/ul	0.00
49) Acenaphthylene-d8	14.392	160	4391473	69.943	ng/ul	0.00
54) 4-Nitrophenol-d4	14.875	143	661277	64.159	ng/ul	0.00
60) Fluorene-d10	15.686	176	3173073	69.995	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.798	200	491494	61.532	ng/ul	0.00
73) Anthracene-d10	17.545	188	4750150	67.936	ng/ul	0.00
81) Pyrene-d10	19.833	212	5130565	70.296	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.986	264	5129497	73.521	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.440	88	139	0.019	ng/ul#	18
5) Pyridine	3.828	79	812	0.041	ng/ul#	1
6) Benzaldehyde	7.205	77	2738	0.233	ng/ul#	1
10) Bis(2-Chloroethyl)ether	7.475	93	402	0.020	ng/ul#	78
22) Nitrobenzene	9.263	77	1071	0.053	ng/ul#	71
29) 2,4-Dichlorophenol	10.487	162	66	0.004	ng/ul#	1
32) 4-Chloroaniline	11.022	127	568	0.021	ng/ul#	1
47) Dimethylphthalate	14.104	163	2200	0.040	ng/ul#	1
50) Acenaphthylene	14.392	152	249	0.004	ng/ul#	1
55) 4-Nitrophenol	14.875	109	349	0.044	ng/ul#	1
56) Dibenzofuran	15.098	168	279	0.004	ng/ul#	37
57) 2,4-Dinitrotoluene	15.098	165	931	0.074	ng/ul#	5
61) Fluorene	15.792	166	206	0.004	ng/ul#	1
63) 4-Nitroaniline	15.792	138	1724	0.183	ng/ul#	1
66) 4,6-Dinitro-2-methylph...	15.798	198	1613	0.200	ng/ul#	1
72) Phenanthrene	17.445	178	381	0.005	ng/ul#	1
74) Anthracene	17.575	178	757	0.009	ng/ul#	73
78) Di-n-butylphthalate	18.410	149	459	0.005	ng/ul#	78
82) Pyrene	19.833	202	6576	0.073	ng/ul#	1
83) Butylbenzylphthalate	20.692	149	189	0.008	ng/ul#	20
85) Benzo(a)anthracene	21.627	228	3361	0.039	ng/ul#	77
86) Bis(2-ethylhexyl)phtha...	21.539	149	2197	0.058	ng/ul#	92
87) Chrysene	21.668	228	80	0.001	ng/ul#	47
89) Di-n-octyl phthalate	22.486	149	238	0.003	ng/ul	100

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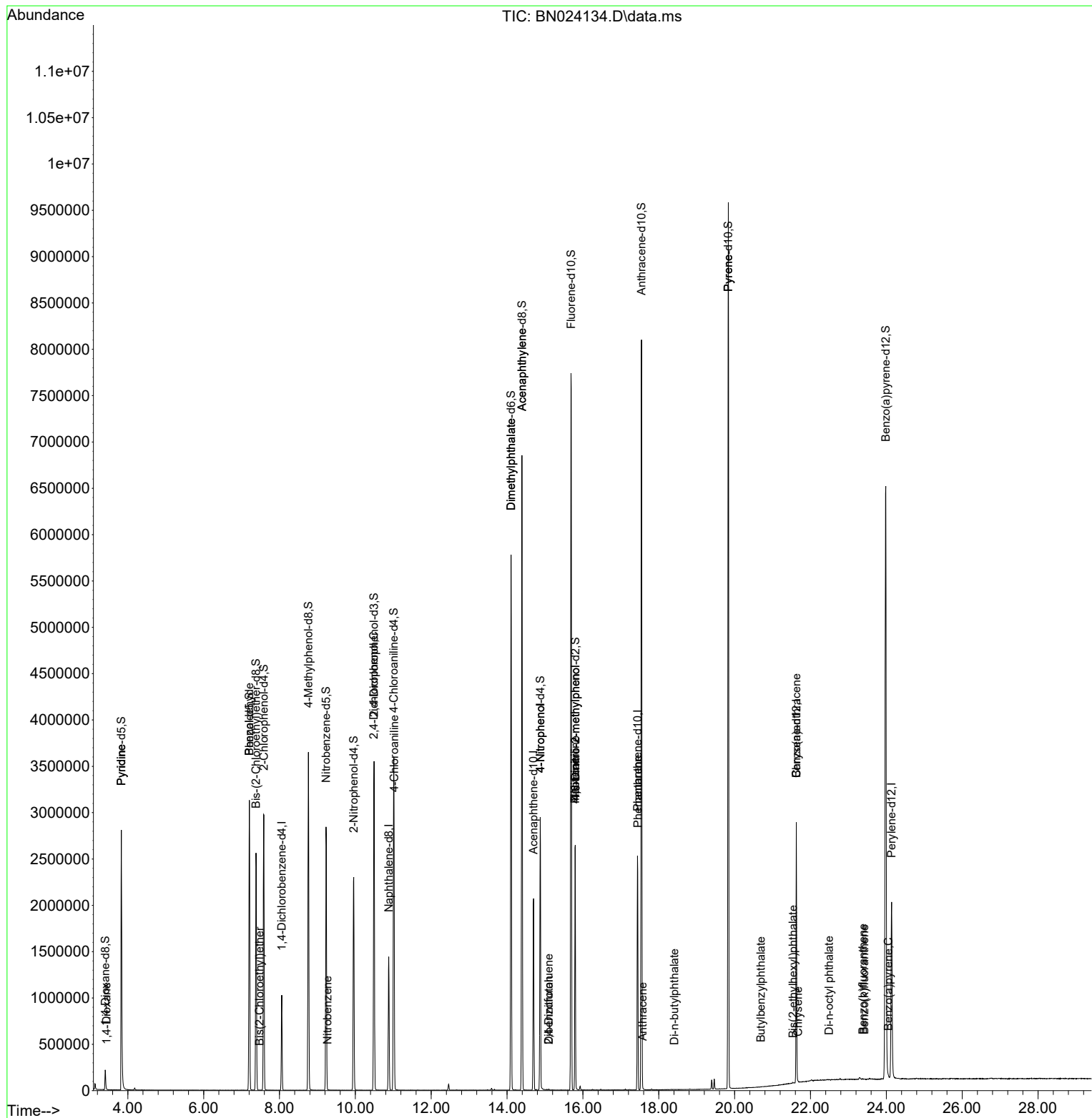
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
90) Benzo(b)fluoranthene	23.380	252	68	0.001	ng/ul#	1
91) Benzo(k)fluoranthene	23.415	252	156	0.002	ng/ul#	1
93) Benzo(a)pyrene	24.057	252	178	0.002	ng/ul#	1

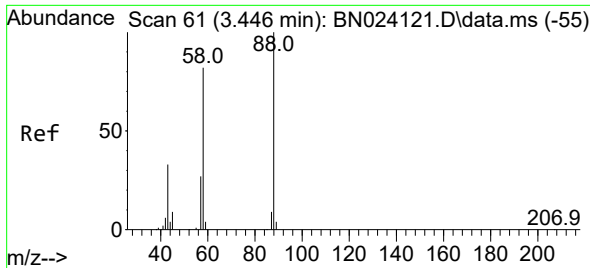
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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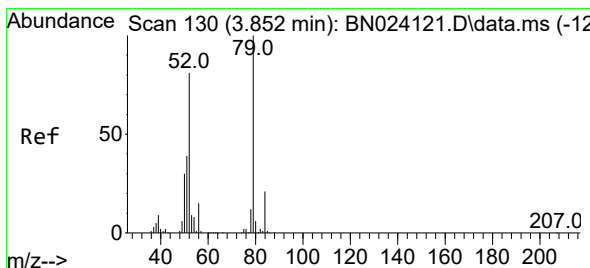
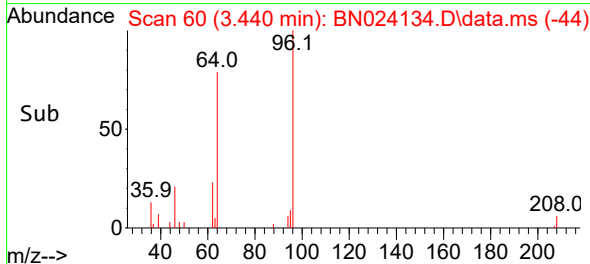
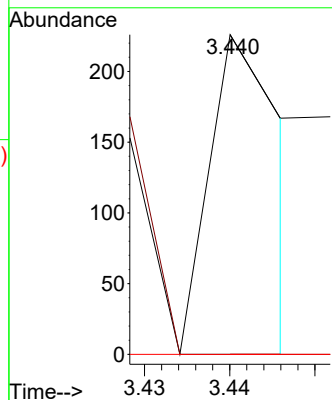
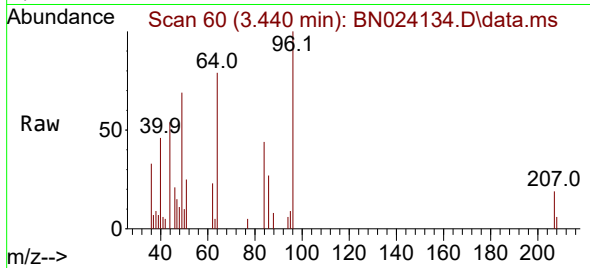




#2
1,4-Dioxane
Concen: 0.019 ng/uL
RT: 3.440 min Scan# 61
Delta R.T. -0.006 min
Lab File: BN024134.D
Acq: 06 Mar 2023 14:15

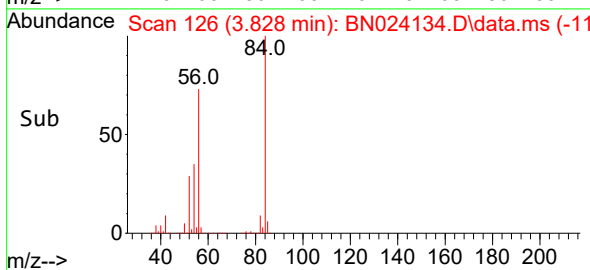
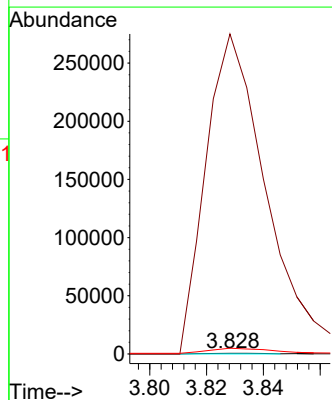
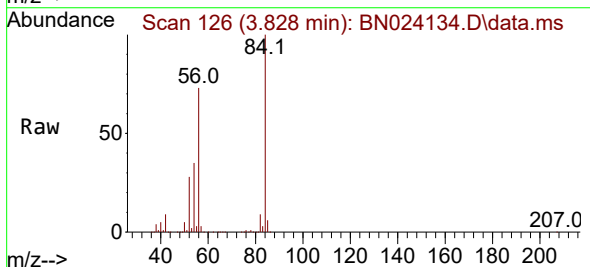
Instrument :
BNA_N
ClientSampleId :
SP6144

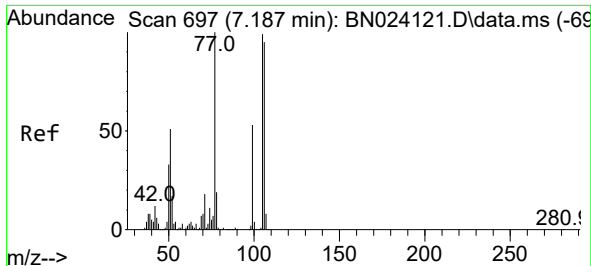
Tgt Ion: 88 Resp: 139
Ion Ratio Lower Upper
88 100
43 0.0 26.2 39.4#
58 0.0 64.9 97.3#



#5
Pyridine
Concen: 0.041 ng/uL
RT: 3.828 min Scan# 126
Delta R.T. -0.024 min
Lab File: BN024134.D
Acq: 06 Mar 2023 14:15

Tgt Ion: 79 Resp: 812
Ion Ratio Lower Upper
79 100
52 48674.0 65.1 97.7#
51 879.3 31.4 47.0#

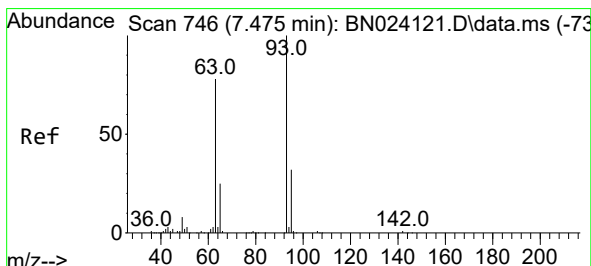
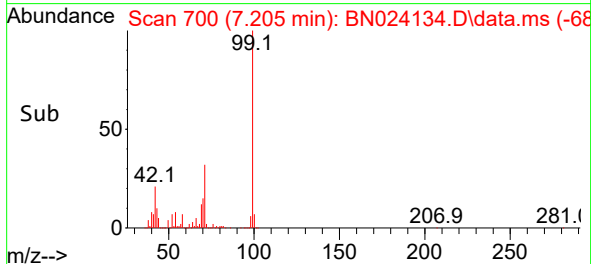
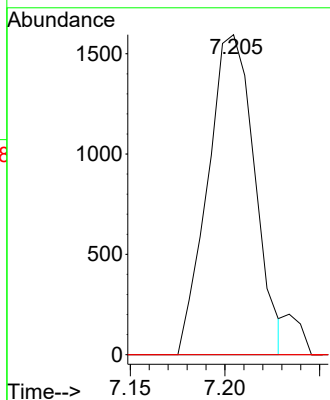
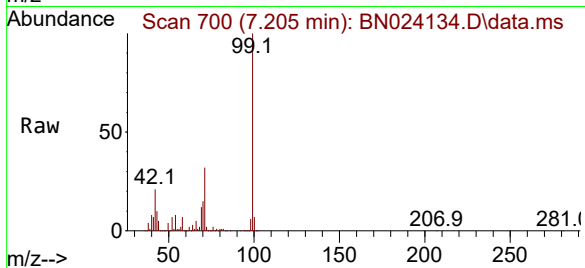




#6
Benzaldehyde
Concen: 0.233 ng/ul
RT: 7.205 min Scan# 700
Delta R.T. 0.018 min
Lab File: BN024134.D
Acq: 06 Mar 2023 14:15

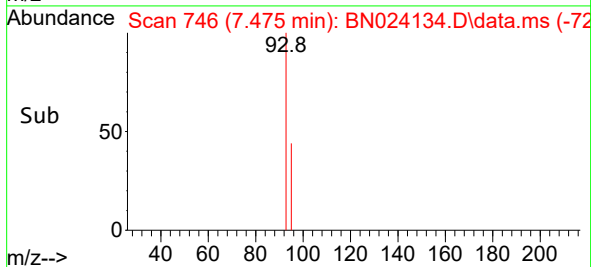
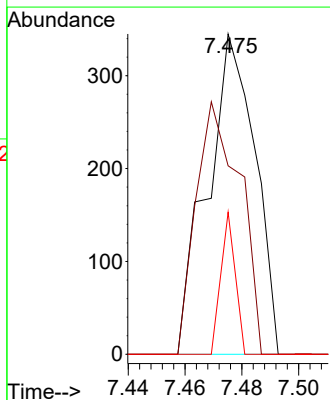
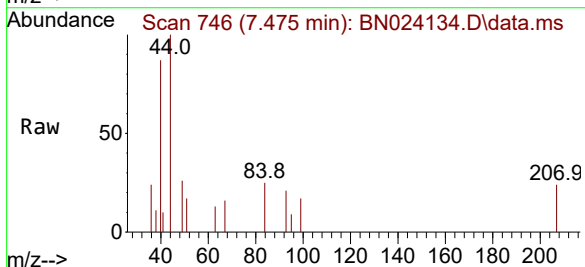
Instrument :
BNA_N
ClientSampleId :
SP6144

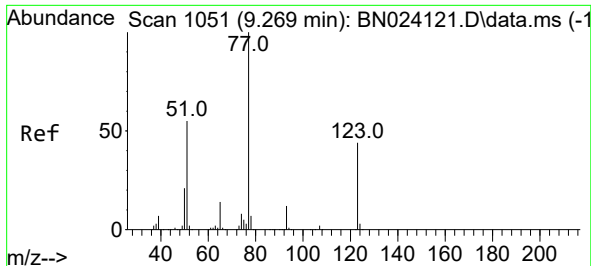
Tgt Ion: 77 Resp: 2738
Ion Ratio Lower Upper
77 100
105 0.0 79.2 118.8#
106 0.0 75.9 113.9#



#10
Bis(2-Chloroethyl)ether
Concen: 0.020 ng/ul
RT: 7.475 min Scan# 746
Delta R.T. -0.000 min
Lab File: BN024134.D
Acq: 06 Mar 2023 14:15

Tgt Ion: 93 Resp: 402
Ion Ratio Lower Upper
93 100
63 58.8 62.6 93.8#
95 44.3 25.8 38.6#





#22

Nitrobenzene

Concen: 0.053 ng/ul

RT: 9.263 min Scan# 1051

Delta R.T. -0.006 min

Lab File: BN024134.D

Acq: 06 Mar 2023 14:15

Instrument :

BNA_N

ClientSampleId :

SP6144

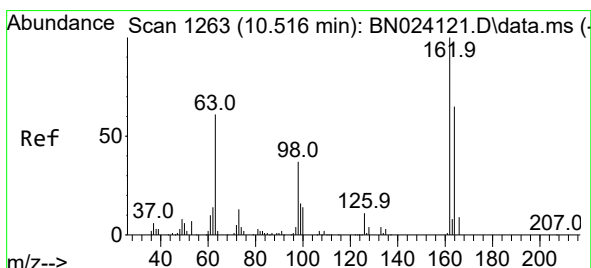
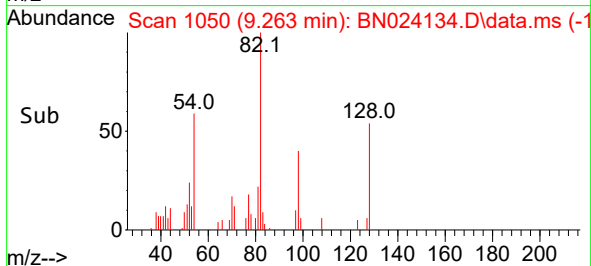
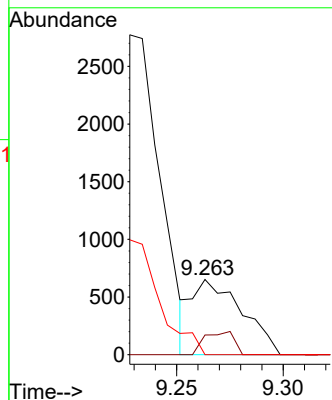
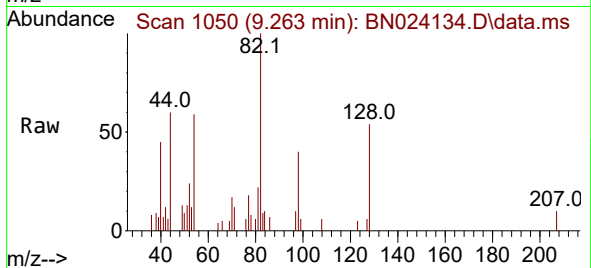
Tgt Ion: 77 Resp: 1071

Ion Ratio Lower Upper

77 100

123 26.2 34.8 52.2#

65 0.0 11.0 16.4#



#29

2,4-Dichlorophenol

Concen: 0.004 ng/ul

RT: 10.487 min Scan# 1258

Delta R.T. -0.030 min

Lab File: BN024134.D

Acq: 06 Mar 2023 14:15

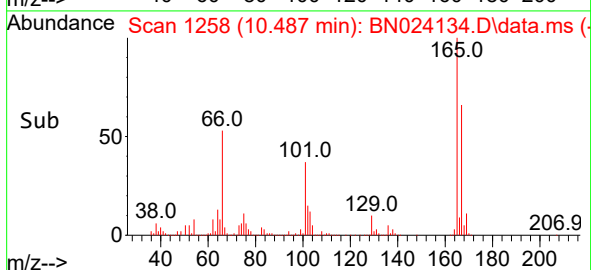
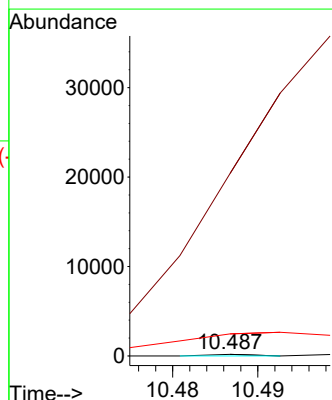
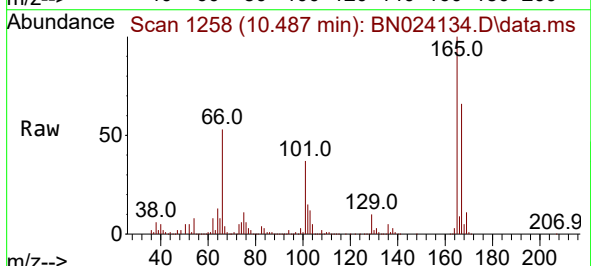
Tgt Ion: 162 Resp: 66

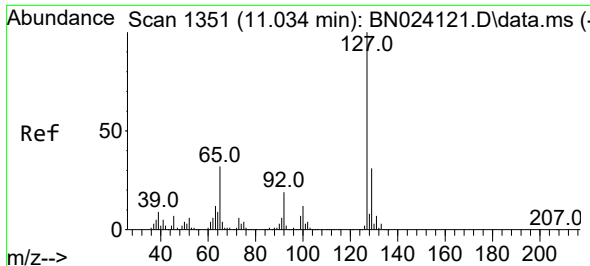
Ion Ratio Lower Upper

162 100

164 10855.3 52.6 78.8#

98 1314.9 29.8 44.8#

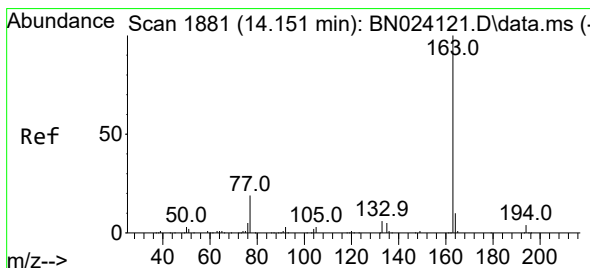
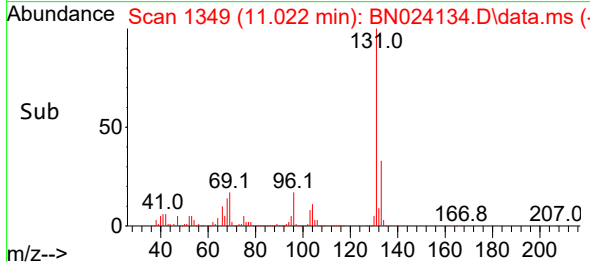
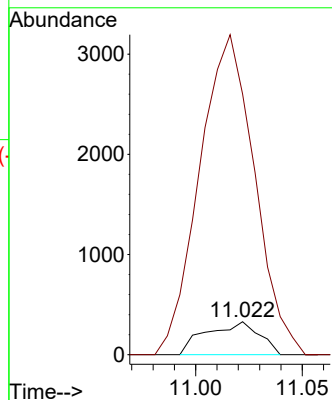
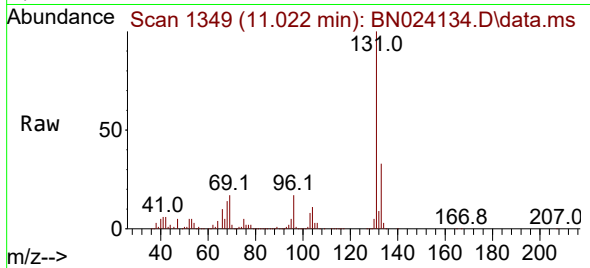




#32
4-Chloroaniline
Concen: 0.021 ng/ul
RT: 11.022 min Scan# 11
Delta R.T. -0.012 min
Lab File: BN024134.D
Acq: 06 Mar 2023 14:15

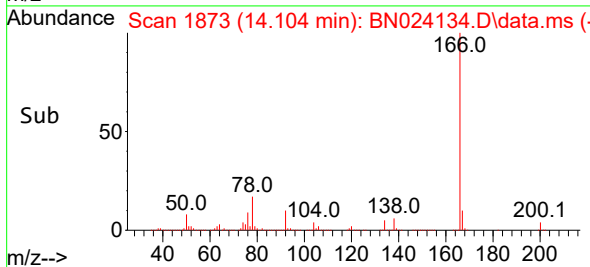
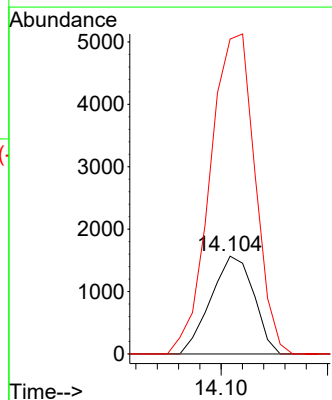
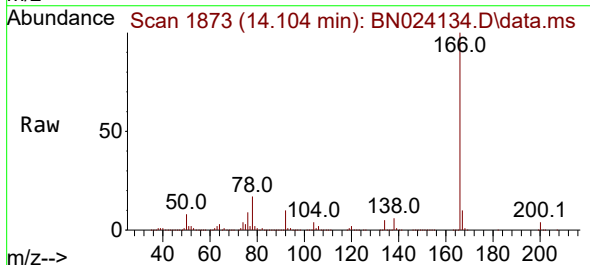
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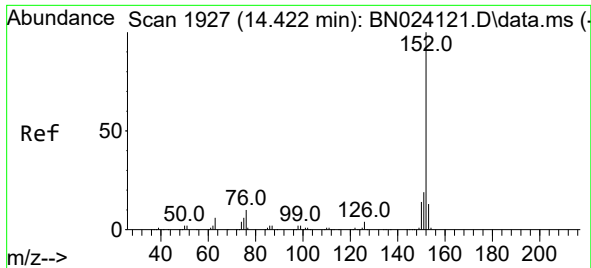
Tgt Ion:127 Resp: 568
Ion Ratio Lower Upper
127 100
129 791.2 25.1 37.7#



#47
Dimethylphthalate
Concen: 0.040 ng/ul
RT: 14.104 min Scan# 1873
Delta R.T. -0.047 min
Lab File: BN024134.D
Acq: 06 Mar 2023 14:15

Tgt Ion:163 Resp: 2200
Ion Ratio Lower Upper
163 100
194 0.0 3.1 4.7#
164 322.4 8.1 12.1#

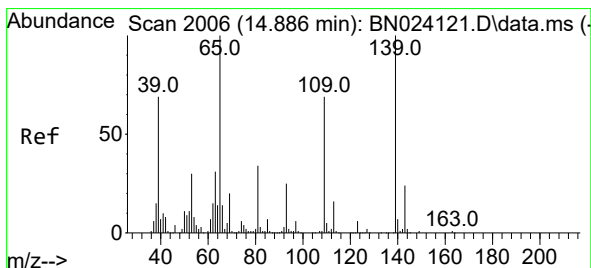
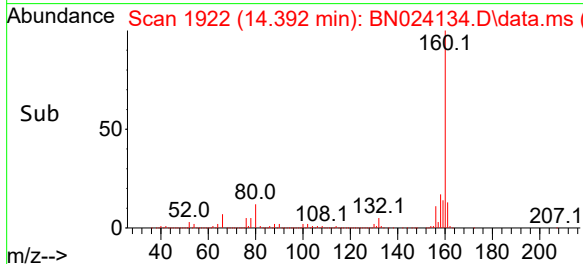
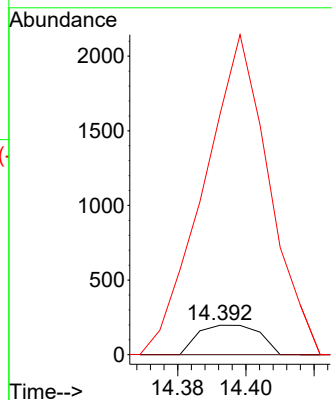
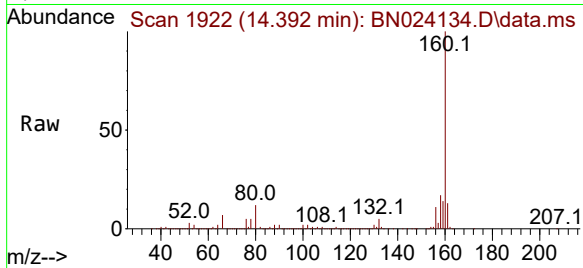




#50
Acenaphthylene
Concen: 0.004 ng/ul
RT: 14.392 min Scan# 1927
Delta R.T. -0.024 min
Lab File: BN024134.D
Acq: 06 Mar 2023 14:15

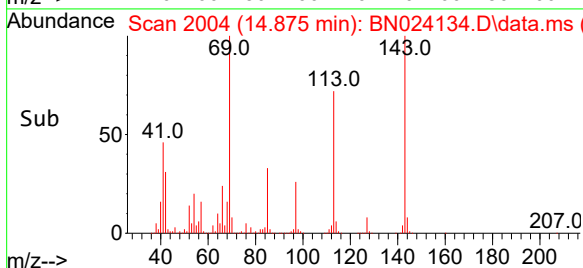
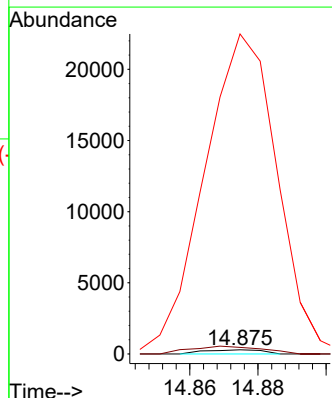
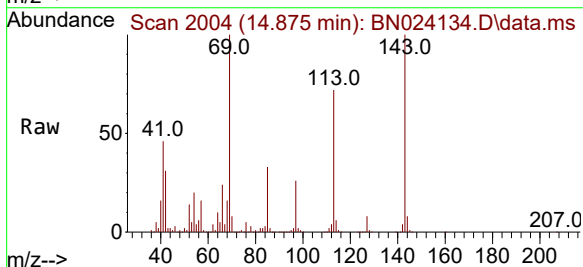
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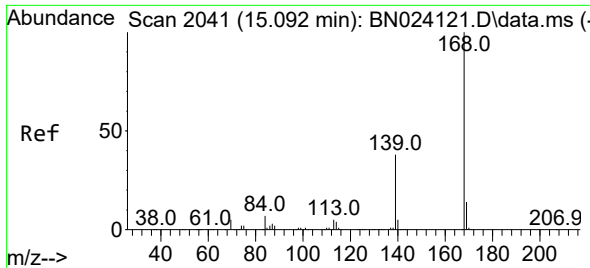
Tgt Ion:152 Resp: 249
Ion Ratio Lower Upper
152 100
151 0.0 15.6 23.4#
153 813.6 10.1 15.1#



#55
4-Nitrophenol
Concen: 0.044 ng/ul
RT: 14.875 min Scan# 2004
Delta R.T. -0.012 min
Lab File: BN024134.D
Acq: 06 Mar 2023 14:15

Tgt Ion:109 Resp: 349
Ion Ratio Lower Upper
109 100
139 158.6 115.0 172.4
65 7754.5 115.7 173.5#

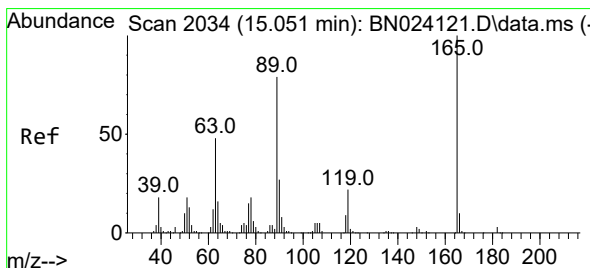
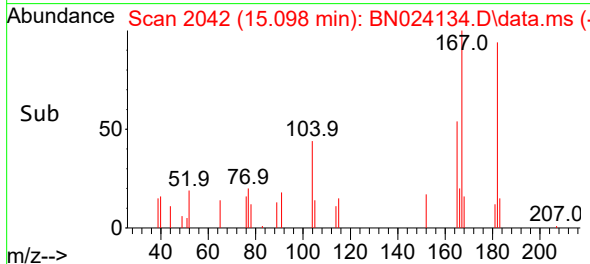
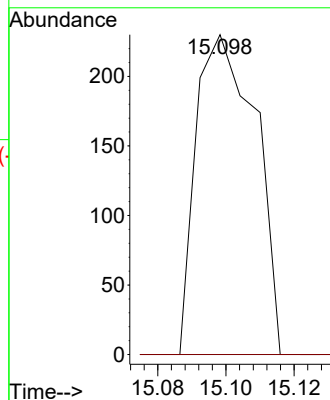
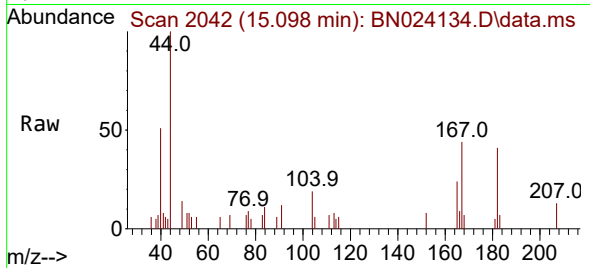




#56
Dibenzofuran
Concen: 0.004 ng/ul
RT: 15.098 min Scan# 2042
Delta R.T. 0.006 min
Lab File: BN024134.D
Acq: 06 Mar 2023 14:15

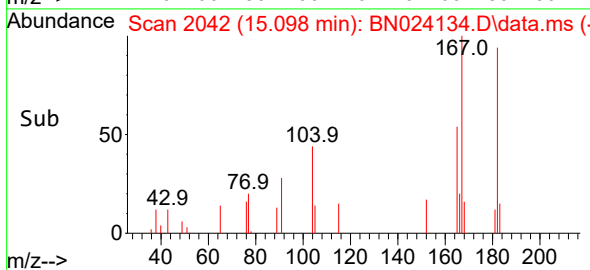
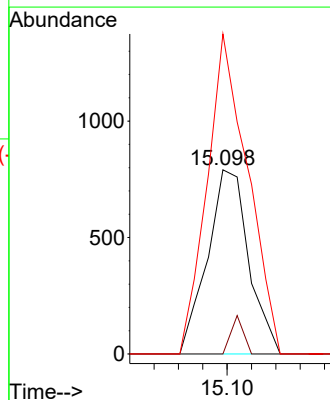
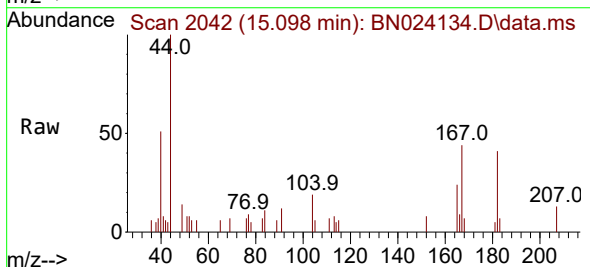
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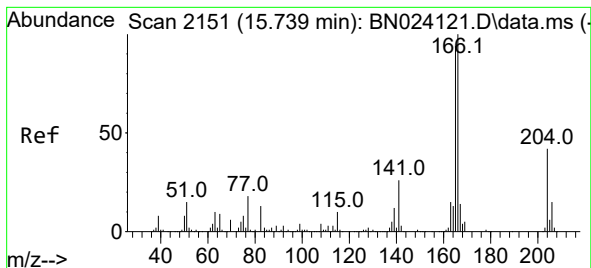
Tgt Ion:168 Resp: 279
Ion Ratio Lower Upper
168 100
139 0.0 30.7 46.1#



#57
2,4-Dinitrotoluene
Concen: 0.074 ng/ul
RT: 15.098 min Scan# 2042
Delta R.T. 0.053 min
Lab File: BN024134.D
Acq: 06 Mar 2023 14:15

Tgt Ion:165 Resp: 931
Ion Ratio Lower Upper
165 100
63 0.0 38.5 57.7#
182 173.7 2.2 3.4#





#61

Fluorene

Concen: 0.004 ng/ul

RT: 15.792 min Scan# 2151

Delta R.T. 0.053 min

Lab File: BN024134.D

Acq: 06 Mar 2023 14:15

Instrument :

BNA_N

ClientSampleId :

SP6144

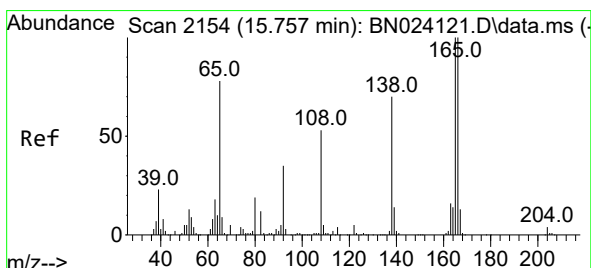
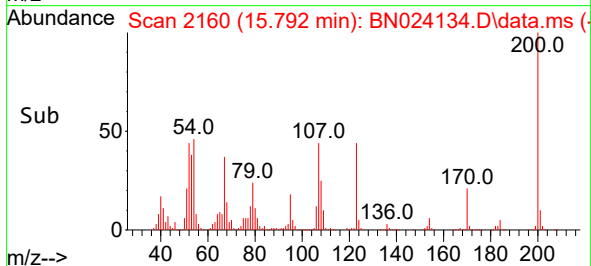
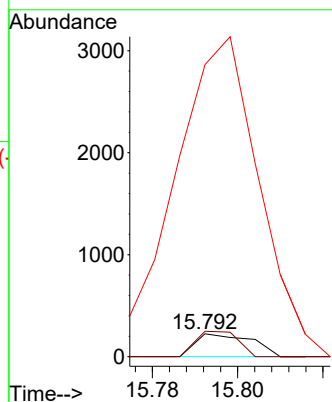
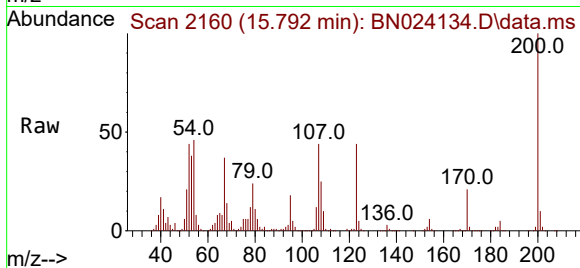
Tgt Ion:166 Resp: 206

Ion Ratio Lower Upper

166 100

165 111.6 75.6 113.4

167 1278.6 11.2 16.8#



#63

4-Nitroaniline

Concen: 0.183 ng/ul

RT: 15.792 min Scan# 2160

Delta R.T. 0.041 min

Lab File: BN024134.D

Acq: 06 Mar 2023 14:15

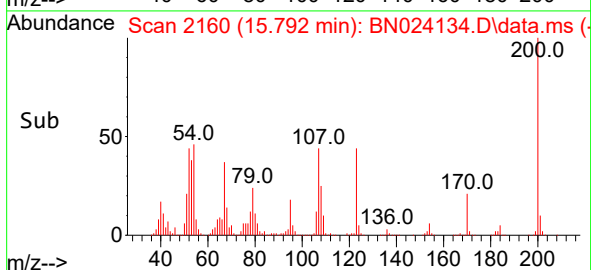
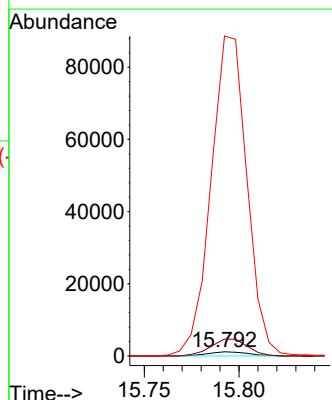
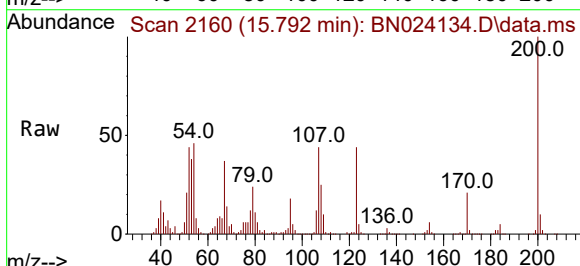
Tgt Ion:138 Resp: 1724

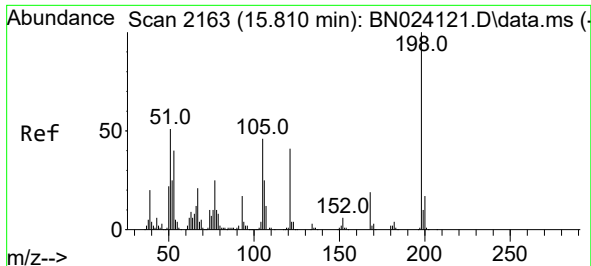
Ion Ratio Lower Upper

138 100

92 404.9 40.0 60.0#

108 7656.0 60.4 90.6#

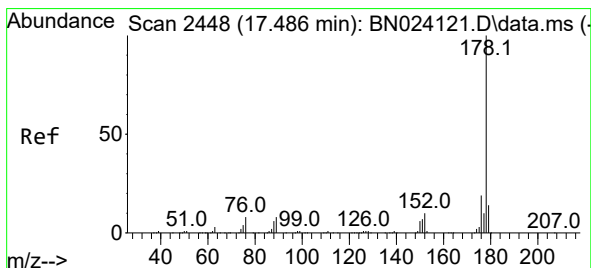
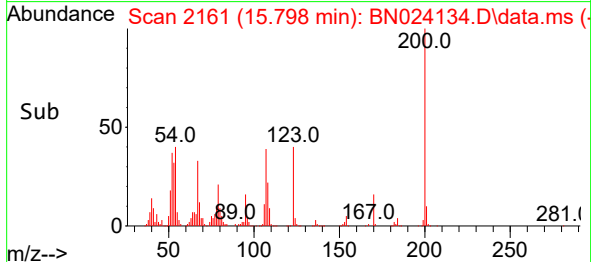
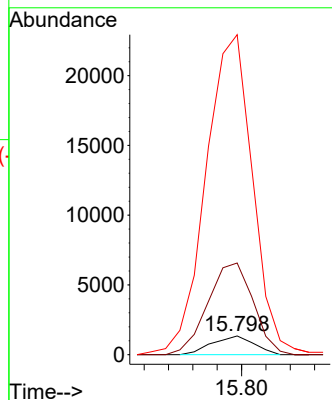
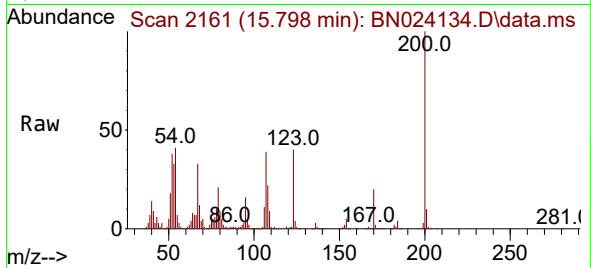




#66
4,6-Dinitro-2-methylphenol
Concen: 0.200 ng/ul
RT: 15.798 min Scan# 2161
Delta R.T. -0.012 min
Lab File: BN024134.D
Acq: 06 Mar 2023 14:15

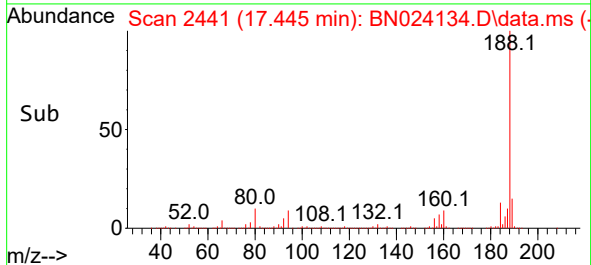
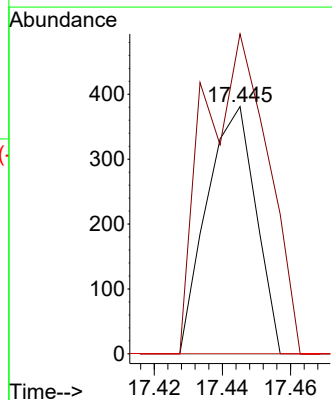
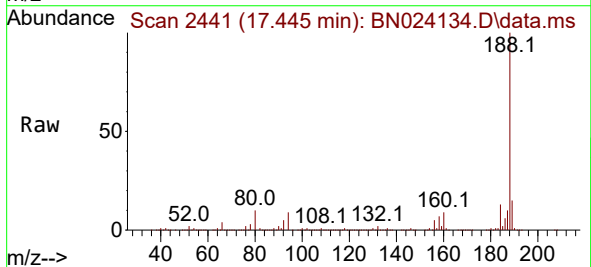
Instrument :
BNA_N
ClientSampleId :
SP6144

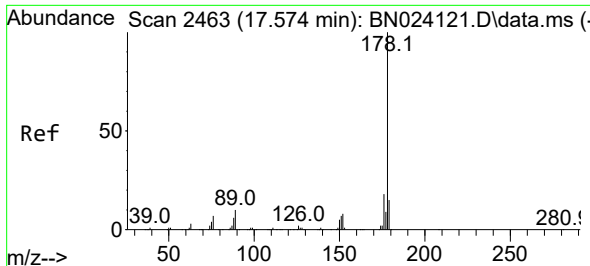
Tgt Ion:198 Resp: 1613
Ion Ratio Lower Upper
198 100
182 491.1 3.4 5.0#
77 1714.2 20.4 30.6#



#72
Phenanthrene
Concen: 0.005 ng/ul
RT: 17.445 min Scan# 2441
Delta R.T. -0.035 min
Lab File: BN024134.D
Acq: 06 Mar 2023 14:15

Tgt Ion:178 Resp: 381
Ion Ratio Lower Upper
178 100
179 129.4 11.6 17.4#
176 0.0 14.9 22.3#

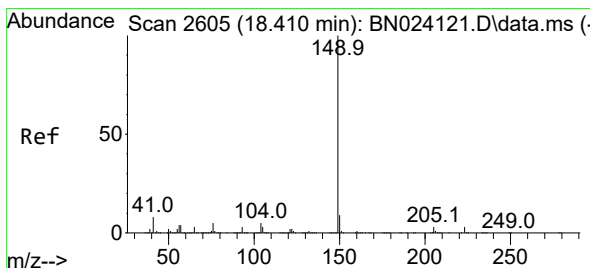
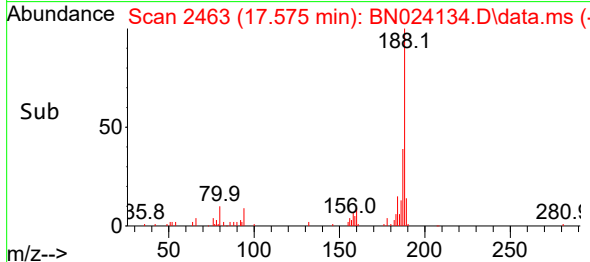
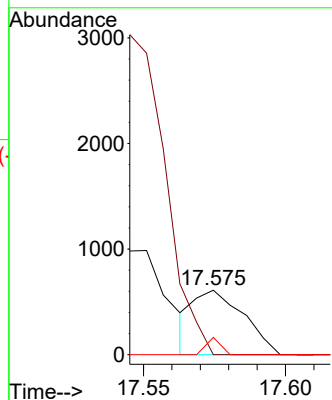
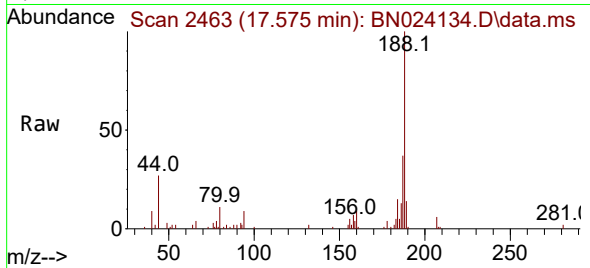




#74
 Anthracene
 Concen: 0.009 ng/ul
 RT: 17.575 min Scan# 2463
 Delta R.T. -0.000 min
 Lab File: BN024134.D
 Acq: 06 Mar 2023 14:15

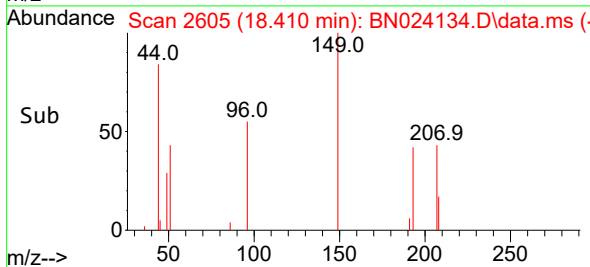
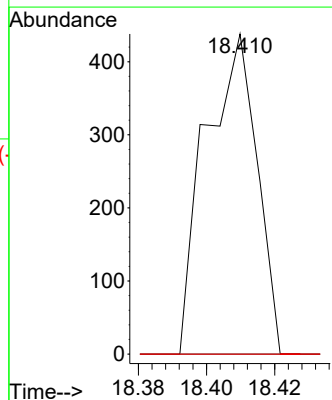
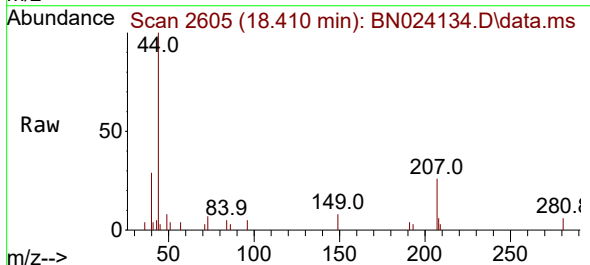
Instrument :
 BNA_N
 ClientSampleId :
 SP6144

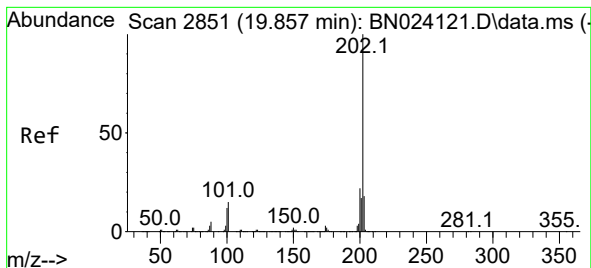
Tgt Ion:178 Resp: 757
 Ion Ratio Lower Upper
 178 100
 179 0.0 11.9 17.9#
 176 26.9 14.6 21.8#



#78
 Di-n-butylphthalate
 Concen: 0.005 ng/ul
 RT: 18.410 min Scan# 2605
 Delta R.T. -0.000 min
 Lab File: BN024134.D
 Acq: 06 Mar 2023 14:15

Tgt Ion:149 Resp: 459
 Ion Ratio Lower Upper
 149 100
 150 0.0 7.4 11.0#
 104 0.0 4.0 6.0#





#82

Pyrene

Concen: 0.073 ng/ul

RT: 19.833 min Scan# 2100

Delta R.T. -0.024 min

Lab File: BN024134.D

Acq: 06 Mar 2023 14:15

Instrument :

BNA_N

ClientSampleId :

SP6144

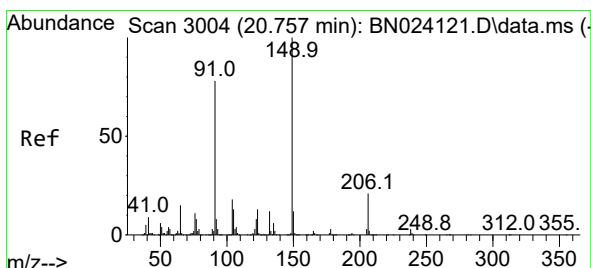
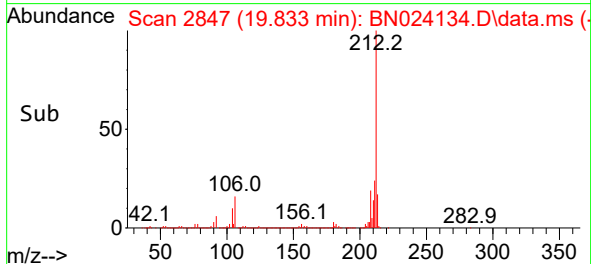
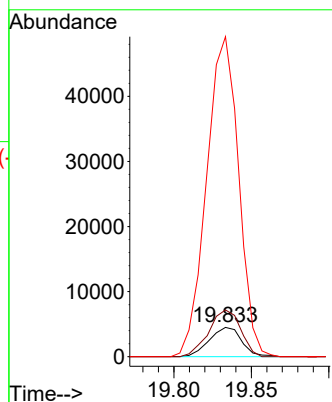
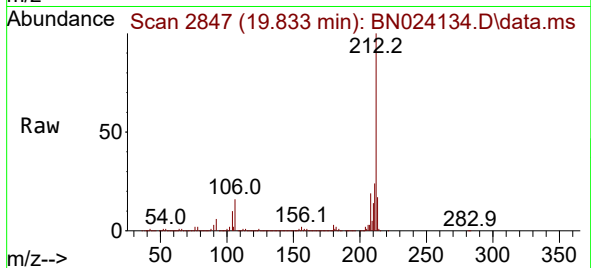
Tgt Ion:202 Resp: 6576

Ion Ratio Lower Upper

202 100

101 159.6 11.9 17.9#

100 1092.1 9.9 14.9#



#83

Butylbenzylphthalate

Concen: 0.008 ng/ul

RT: 20.692 min Scan# 2993

Delta R.T. -0.059 min

Lab File: BN024134.D

Acq: 06 Mar 2023 14:15

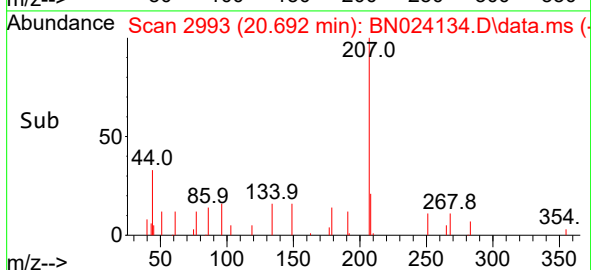
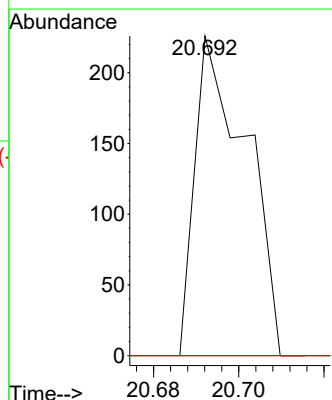
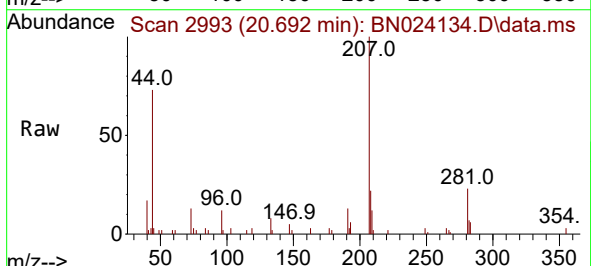
Tgt Ion:149 Resp: 189

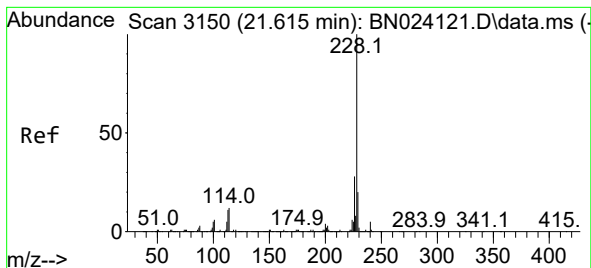
Ion Ratio Lower Upper

149 100

91 0.0 62.2 93.2#

206 0.0 16.4 24.6#





#85

Benzo(a)anthracene

Concen: 0.039 ng/ul

RT: 21.627 min Scan# 3152

Delta R.T. 0.018 min

Lab File: BN024134.D

Acq: 06 Mar 2023 14:15

Instrument :

BNA_N

ClientSampleId :

SP6144

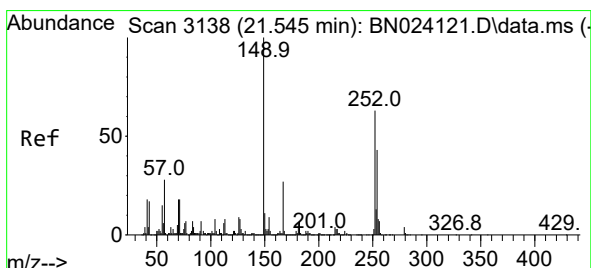
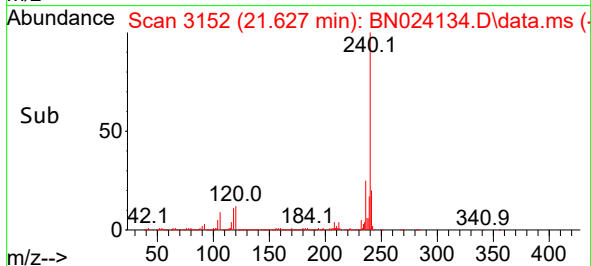
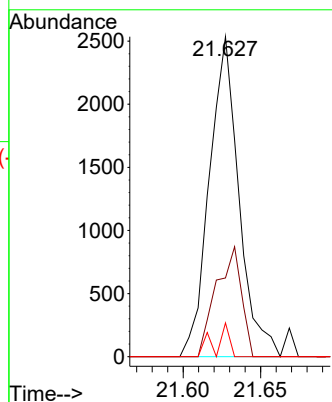
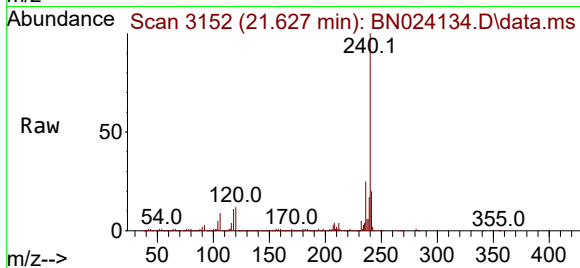
Tgt Ion:228 Resp: 3361

Ion Ratio Lower Upper

228 100

229 24.6 16.3 24.5#

226 10.6 22.6 34.0#



#86

Bis(2-ethylhexyl)phthalate

Concen: 0.058 ng/ul

RT: 21.539 min Scan# 3137

Delta R.T. 0.006 min

Lab File: BN024134.D

Acq: 06 Mar 2023 14:15

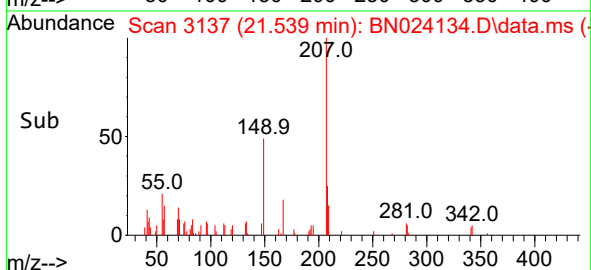
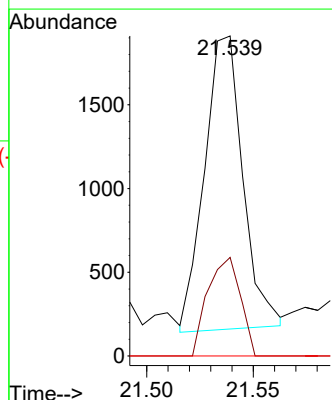
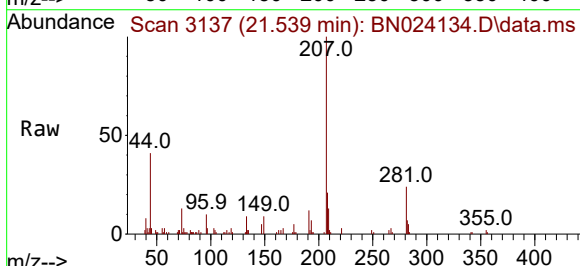
Tgt Ion:149 Resp: 2197

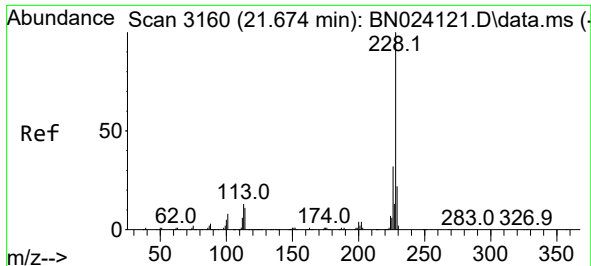
Ion Ratio Lower Upper

149 100

167 30.8 21.6 32.4

279 0.0 3.4 5.2#

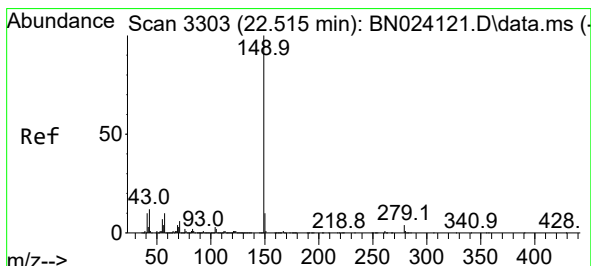
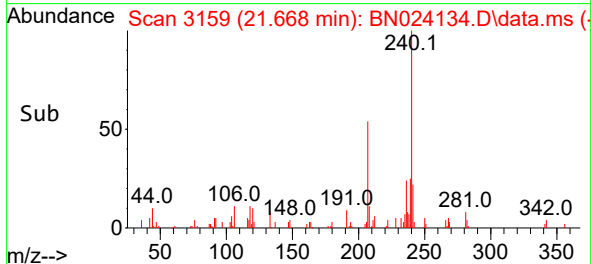
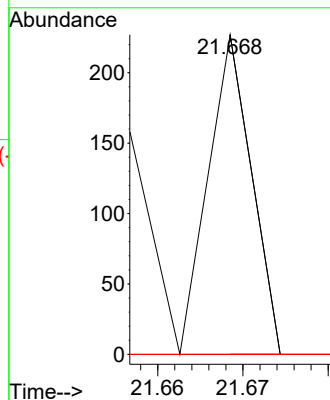
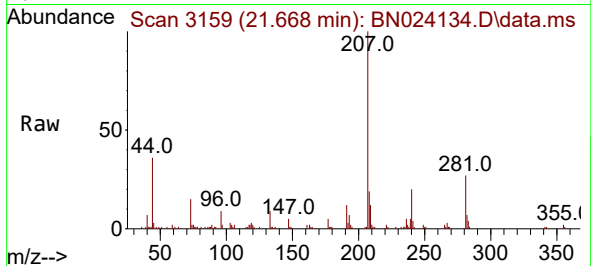




#87
Chrysene
Concen: 0.001 ng/ul
RT: 21.668 min Scan# 3160
Delta R.T. -0.000 min
Lab File: BN024134.D
Acq: 06 Mar 2023 14:15

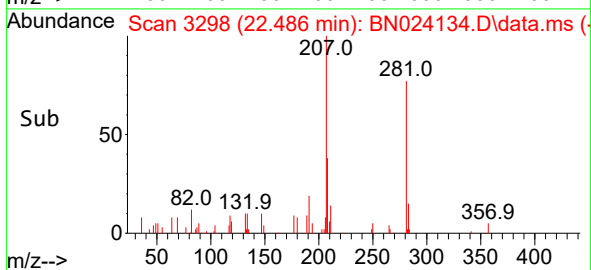
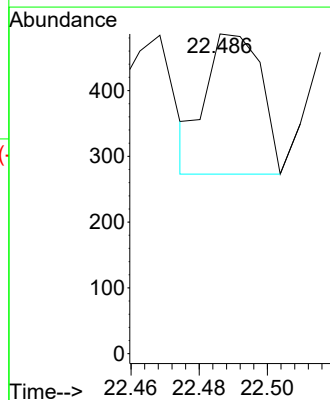
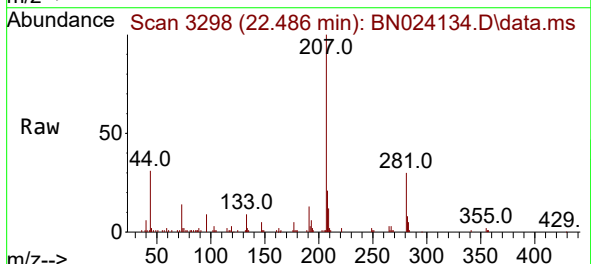
Instrument :
BNA_N
ClientSampleId :
SP6144

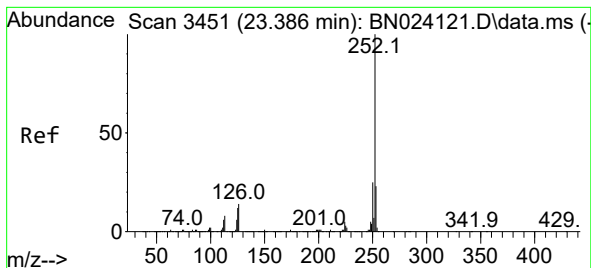
Tgt Ion:228 Resp: 80
Ion Ratio Lower Upper
228 100
226 0.0 25.8 38.6#
229 0.0 17.5 26.3#



#89
Di-n-octyl phthalate
Concen: 0.003 ng/ul
RT: 22.486 min Scan# 3298
Delta R.T. -0.018 min
Lab File: BN024134.D
Acq: 06 Mar 2023 14:15

Tgt Ion:149 Resp: 238





#90

Benzo(b)fluoranthene

Concen: 0.001 ng/ul

RT: 23.380 min Scan# 3451

Delta R.T. -0.000 min

Lab File: BN024134.D

Acq: 06 Mar 2023 14:15

Instrument :

BNA_N

ClientSampleId :

SP6144

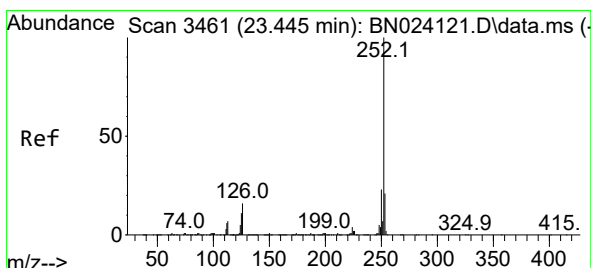
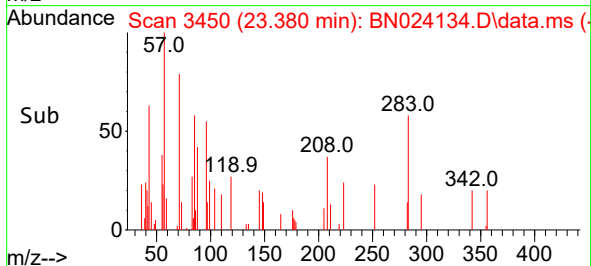
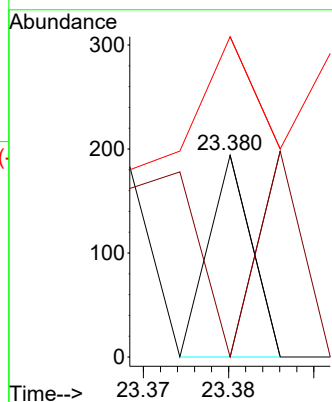
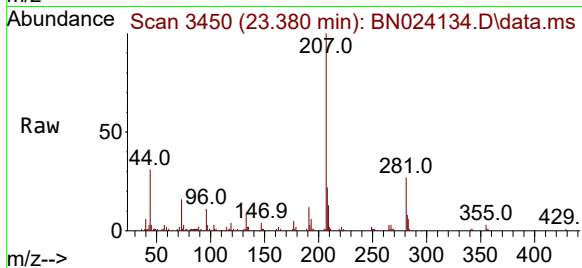
Tgt Ion:252 Resp: 68

Ion Ratio Lower Upper

252 100

253 0.0 18.3 27.5#

125 158.8 9.5 14.3#



#91

Benzo(k)fluoranthene

Concen: 0.002 ng/ul

RT: 23.415 min Scan# 3456

Delta R.T. -0.012 min

Lab File: BN024134.D

Acq: 06 Mar 2023 14:15

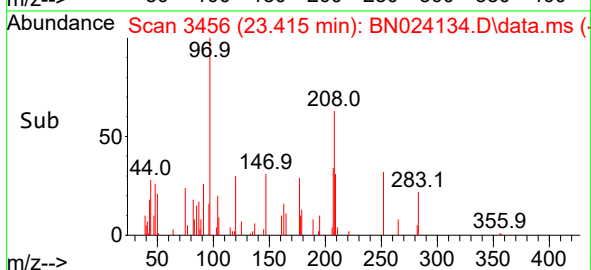
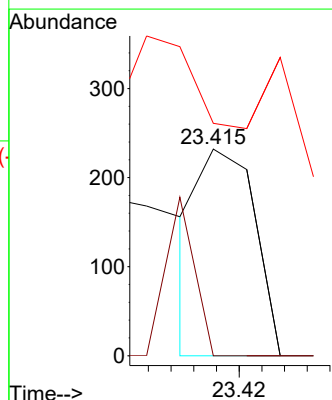
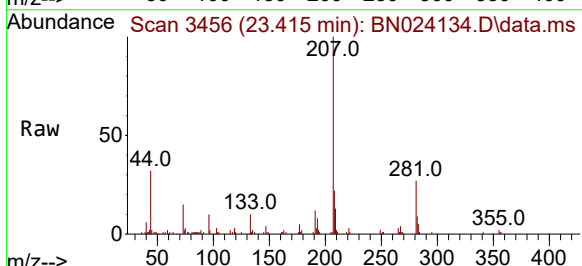
Tgt Ion:252 Resp: 156

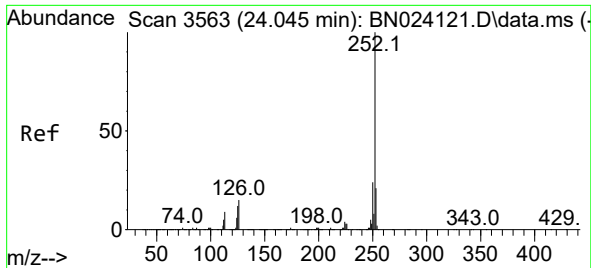
Ion Ratio Lower Upper

252 100

253 0.0 17.4 26.0#

125 112.5 9.0 13.6#





#93
 Benzo(a)pyrene
 Concen: 0.002 ng/ul
 RT: 24.057 min Scan# 3
 Delta R.T. 0.012 min
 Lab File: BN024134.D
 Acq: 06 Mar 2023 14:15

Instrument :
 BNA_N
 ClientSampleId :
 SP6144

Tgt Ion:252 Resp: 178
 Ion Ratio Lower Upper
 252 100
 253 89.0 17.0 25.4#
 125 137.0 9.5 14.3#

