

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111423\
 Data File : BN028609.D
 Acq On : 14 Nov 2023 18:58
 Operator : MA/JU
 Sample : PB156980BS
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Nov 14 23:38:41 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN111423.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Nov 14 04:50:19 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.699	152	121776	20.000	ng/u1	0.00
20) Naphthalene-d8	10.487	136	697678	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.346	164	461951	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.092	188	902845	20.000	ng/u1	0.00
79) Chrysene-d12	21.304	240	720324	20.000	ng/u1	0.00
88) Perylene-d12	23.598	264	695119	20.000	ng/u1	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.146	96	37309	10.970	ng/uL	0.00
4) Pyridine-d5	3.564	84	377959	50.692	ng/u1	0.00
7) Phenol-d5	6.881	99	626549	53.858	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.040	67	375023	52.119	ng/u1	0.00
11) 2-Chlorophenol-d4	7.234	132	542586	53.368	ng/u1	0.00
15) 4-Methylphenol-d8	8.422	113	495852	51.761	ng/u1	0.00
21) Nitrobenzene-d5	8.863	128	255116	40.726	ng/u1	0.00
24) 2-Nitrophenol-d4	9.581	143	258079	39.358	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.122	165	504884	45.284	ng/u1	0.00
31) 4-Chloroaniline-d4	10.640	131	681903	40.358	ng/u1	0.00
46) Dimethylphthalate-d6	13.763	166	1762213	42.308	ng/u1	0.00
49) Acenaphthylene-d8	14.034	160	2038503	42.463	ng/u1	0.00
54) 4-Nitrophenol-d4	14.575	143	180124	40.807	ng/u1	-0.02
60) Fluorene-d10	15.340	176	1438889	41.901	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.469	200	234566	46.771	ng/u1	0.00
73) Anthracene-d10	17.192	188	2122077	42.107	ng/u1	0.00
81) Pyrene-d10	19.498	212	2398622	43.905	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.457	264	2066155	47.479	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.181	88	79260	21.821	ng/uL	97
5) Pyridine	3.581	79	413484	53.635	ng/u1	99
6) Benzaldehyde	6.846	77	176875	32.244	ng/u1	99
8) Phenol	6.911	94	656504	56.724	ng/u1	98
10) Bis(2-Chloroethyl)ether	7.134	93	507852	51.699	ng/u1	97
12) 2-Chlorophenol	7.264	128	567394	56.091	ng/u1	97
13) 2-Methylphenol	8.152	108	469953	50.674	ng/u1	99
14) 2,2'-oxybis(1-Chloropr...	8.228	45	934398	61.615	ng/u1	100
16) Acetophenone	8.528	105	821561	52.160	ng/u1	99
17) N-Nitroso-di-n-propyla...	8.511	70	450800	54.877	ng/u1	98
18) 4-Methylphenol	8.487	108	517613	51.977	ng/u1	96
19) Hexachloroethane	8.763	117	262844	56.571	ng/u1	93
22) Nitrobenzene	8.905	77	558924	41.691	ng/u1	97
23) Isophorone	9.422	82	1381115	46.200	ng/u1	99
25) 2-Nitrophenol	9.610	139	266849	38.692	ng/u1	99
26) 2,4-Dimethylphenol	9.681	107	520815	38.538	ng/u1	95
27) Bis(2-Chloroethoxy)met...	9.916	93	723730	41.920	ng/u1	98
29) 2,4-Dichlorophenol	10.146	162	497155	45.066	ng/u1	99
30) Naphthalene	10.540	128	2003925	44.857	ng/u1	99
32) 4-Chloroaniline	10.663	127	564736	35.650	ng/u1	99
33) Hexachlorobutadiene	10.822	225	372478	45.058	ng/u1	98
34) Caprolactam	11.434	113	97400	26.089	ng/u1	95
35) 4-Chloro-3-methylphenol	11.799	107	546608	45.428	ng/u1	97
36) 2-Methylnaphthalene	12.157	142	1308826	44.249	ng/u1	94

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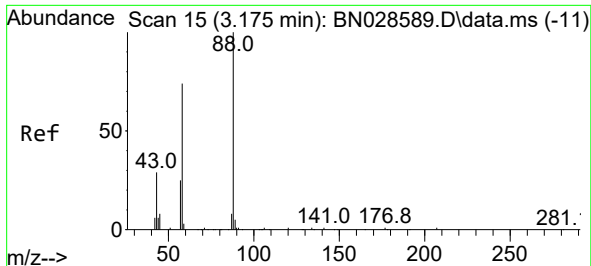
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 Quant Title : SVOA CALIBRATION
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.375	142	1325123	43.364	ng/ul	97
39) 1,2,4,5-Tetrachloroben...	12.528	216	675998	43.072	ng/ul	95
40) Hexachlorocyclopentadiene	12.504	237	366699	46.398	ng/ul	99
41) 2,4,6-Trichlorophenol	12.775	196	407017	44.242	ng/ul	98
42) 2,4,5-Trichlorophenol	12.851	196	379130	34.496	ng/ul	97
43) 1,1'-Biphenyl	13.181	154	1718191	42.198	ng/ul	99
44) 2-Chloronaphthalene	13.216	162	1368503	42.127	ng/ul	97
45) 2-Nitroaniline	13.440	65	325176	39.190	ng/ul	98
47) Dimethylphthalate	13.816	163	1800141	43.593	ng/ul	99
48) 2,6-Dinitrotoluene	13.928	165	360240	44.180	ng/ul	98
50) Acenaphthylene	14.063	152	2368726	43.800	ng/ul	98
51) 3-Nitroaniline	14.275	138	206873	25.881	ng/ul	98
52) Acenaphthene	14.404	153	1539850	43.268	ng/ul	99
53) 2,4-Dinitrophenol	14.481	184	65627	32.848	ng/ul	86
55) 4-Nitrophenol	14.593	109	121691	42.151	ng/ul	97
56) Dibenzofuran	14.746	168	2098433	44.191	ng/ul	98
57) 2,4-Dinitrotoluene	14.722	165	505431	45.092	ng/ul	98
58) 2,3,4,6-Tetrachlorophenol	14.975	232	396205	44.783	ng/ul	98
59) Diethylphthalate	15.181	149	1840035	43.578	ng/ul	99
61) Fluorene	15.393	166	1713523	43.293	ng/ul	95
62) 4-Chlorophenyl-phenyle...	15.398	204	820055	42.814	ng/ul	99
63) 4-Nitroaniline	15.445	138	212705	27.792	ng/ul	98
66) 4,6-Dinitro-2-methylph...	15.481	198	251928	48.077	ng/ul#	97
67) N-Nitrosodiphenylamine	15.610	169	1415883	45.488	ng/ul	99
68) 4-Bromophenyl-phenylether	16.292	248	479568	44.461	ng/ul	94
69) Hexachlorobenzene	16.398	284	585576	46.227	ng/ul	93
70) Atrazine	16.569	200	460551	48.310	ng/ul	100
71) Pentachlorophenol	16.745	266	312571	49.196	ng/ul	96
72) Phenanthrene	17.134	178	2581170	45.618	ng/ul	98
74) Anthracene	17.228	178	2579944	43.656	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.140	216	710258	45.974	ng/ul	97
76) Pentachlorobenzene	14.663	250	700966	46.301	ng/ul	96
77) Carbazole	17.504	167	2195304	45.347	ng/ul	99
78) Di-n-butylphthalate	18.081	149	2960820	45.780	ng/ul	100
80) Fluoranthene	19.163	202	2904184	45.436	ng/ul	99
82) Pyrene	19.528	202	2984983	45.279	ng/ul	99
83) Butylbenzylphthalate	20.451	149	1244726	45.215	ng/ul	96
84) 3,3'-Dichlorobenzidine	21.233	252	731447	44.586	ng/ul	98
85) Benzo(a)anthracene	21.292	228	2578025	45.401	ng/ul	100
86) Bis(2-ethylhexyl)phtha...	21.239	149	1829291	47.267	ng/ul#	99
87) Chrysene	21.345	228	2744000	46.718	ng/ul	97
89) Di-n-octyl phthalate	22.139	149	3060191	51.018	ng/ul	100
90) Benzo(b)fluoranthene	22.910	252	2511966	49.970	ng/ul	99
91) Benzo(k)fluoranthene	22.957	252	2741237	48.608	ng/ul	98
93) Benzo(a)pyrene	23.504	252	2381148	47.602	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	25.974	276	2846212	48.686	ng/ul	98
95) Dibenzo(a,h)anthracene	25.986	278	2367184	49.117	ng/ul	97
96) Benzo(g,h,i)perylene	26.686	276	2294293	49.736	ng/ul	95

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

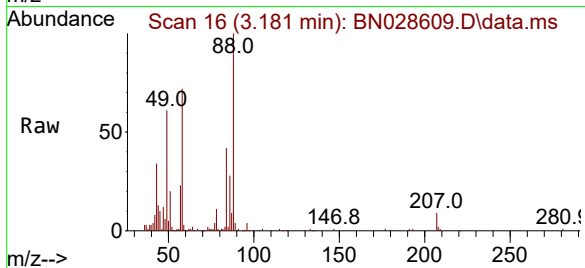
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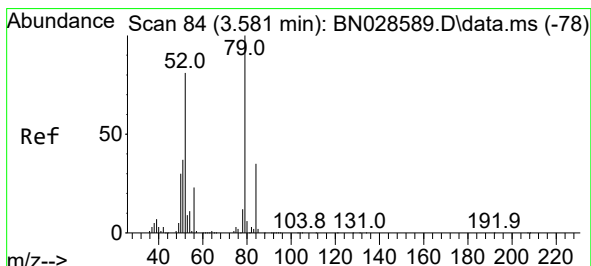
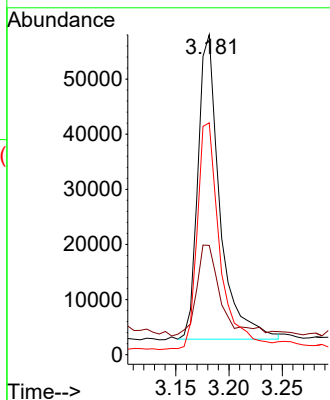
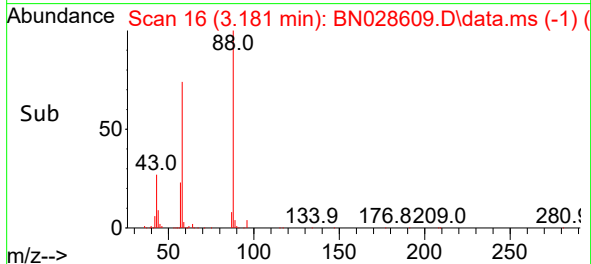


#2
1,4-Dioxane
Concen: 21.821 ng/uL
RT: 3.181 min Scan# 1
Delta R.T. 0.006 min
Lab File: BN028609.D
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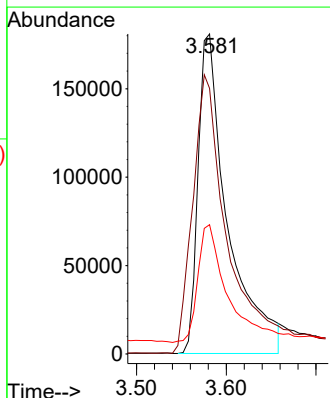
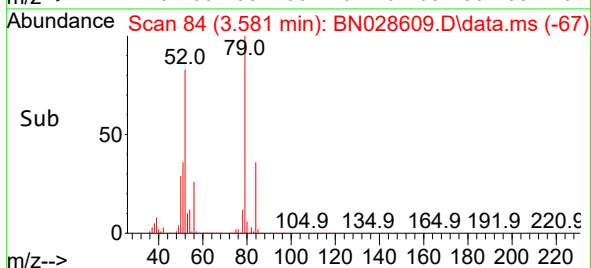
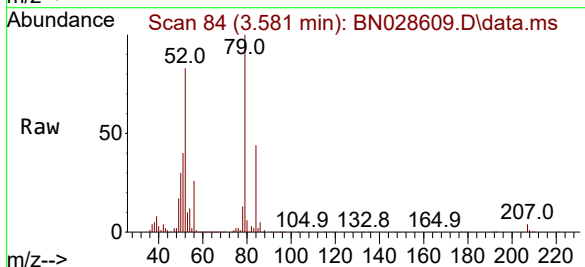


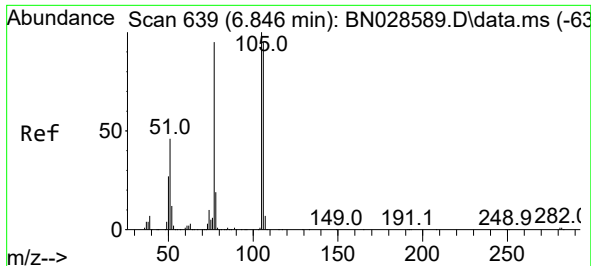
Tgt Ion: 88 Resp: 79260
Ion Ratio Lower Upper
88 100
43 34.1 25.3 37.9
58 72.4 56.8 85.2



#5
Pyridine
Concen: 53.635 ng/uL
RT: 3.581 min Scan# 84
Delta R.T. 0.000 min
Lab File: BN028609.D
Acq: 14 Nov 2023 18:58

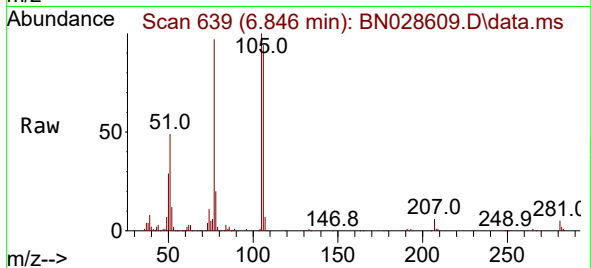
Tgt Ion: 79 Resp: 413484
Ion Ratio Lower Upper
79 100
52 83.0 65.8 98.6
51 40.4 32.0 48.0



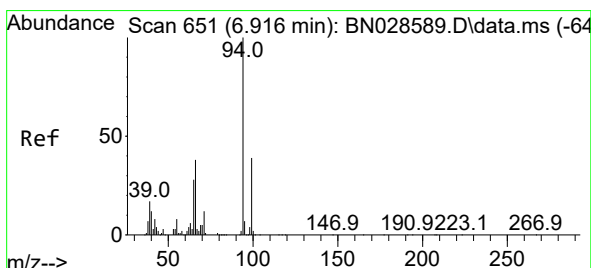
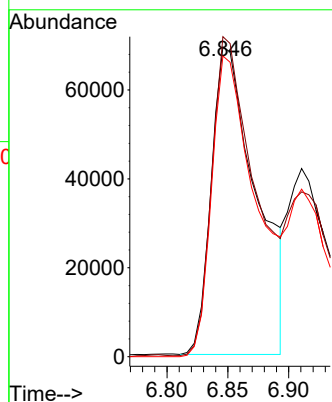
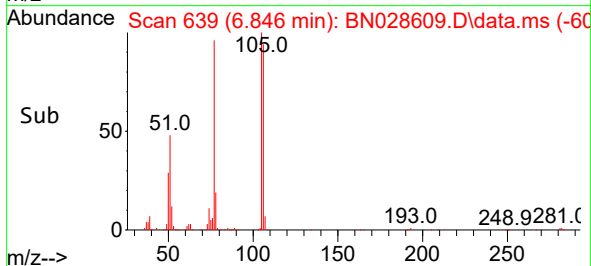


#6
Benzaldehyde
Concen: 32.244 ng/ul
RT: 6.846 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN028609.D
Acq: 14 Nov 2023 18:58

Instrument :
BNA_N
ClientSampleId :

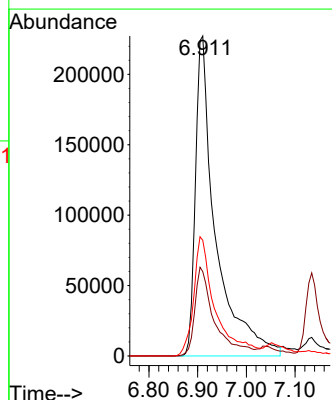
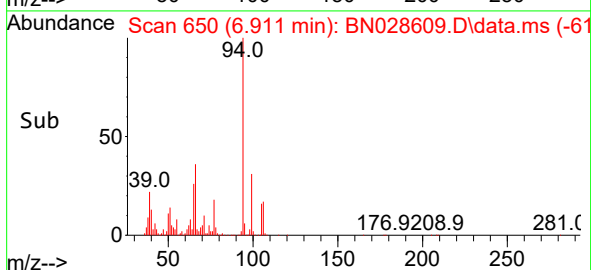
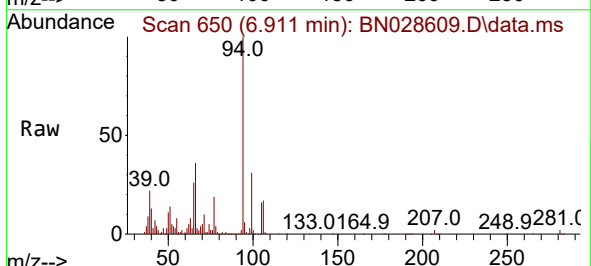


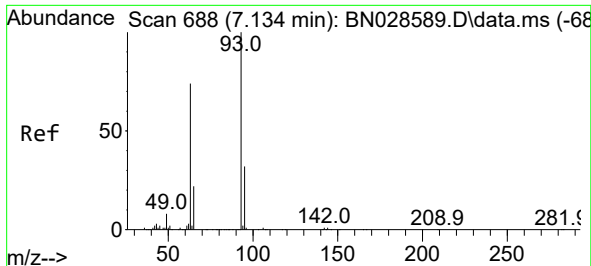
Tgt Ion: 77 Resp: 176875
Ion Ratio Lower Upper
77 100
105 103.3 83.5 125.3
106 97.1 78.6 118.0



#8
Phenol
Concen: 56.724 ng/ul
RT: 6.911 min Scan# 650
Delta R.T. -0.005 min
Lab File: BN028609.D
Acq: 14 Nov 2023 18:58

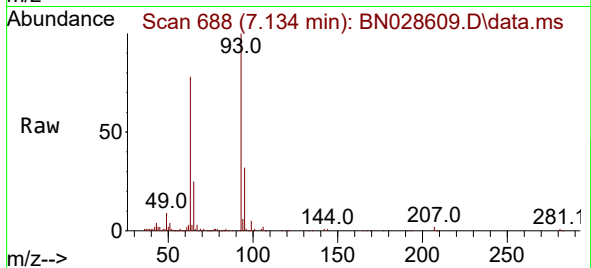
Tgt Ion: 94 Resp: 656504
Ion Ratio Lower Upper
94 100
65 26.4 22.2 33.2
66 36.1 30.0 45.0



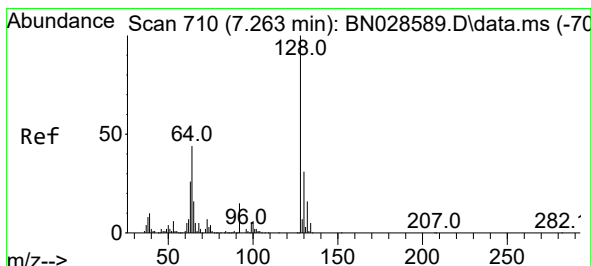
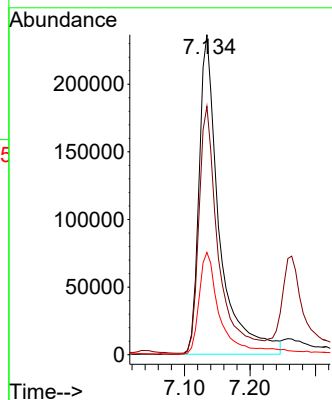
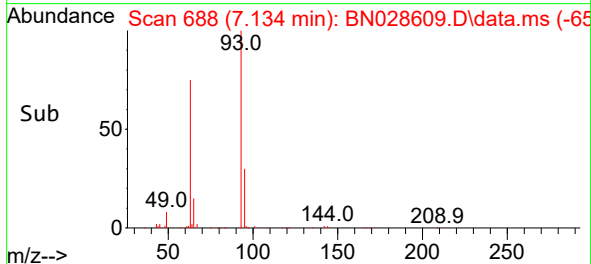


#10
Bis(2-Chloroethyl)ether
Concen: 51.699 ng/ul
RT: 7.134 min Scan# 688
Delta R.T. 0.000 min
Lab File: BN028609.D
Acq: 14 Nov 2023 18:58

Instrument :
BNA_N
ClientSampleId :

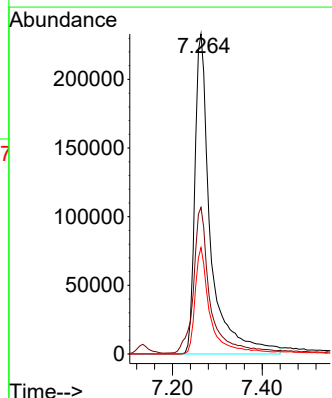
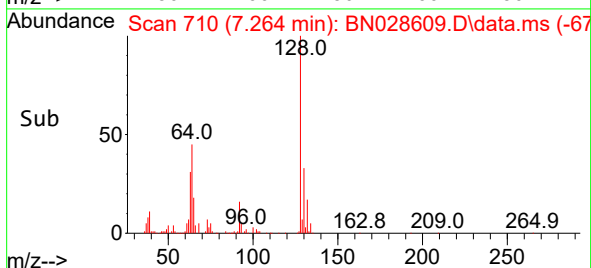
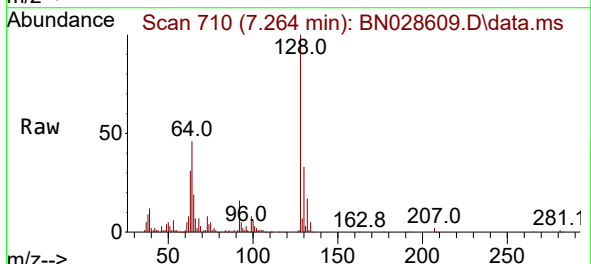


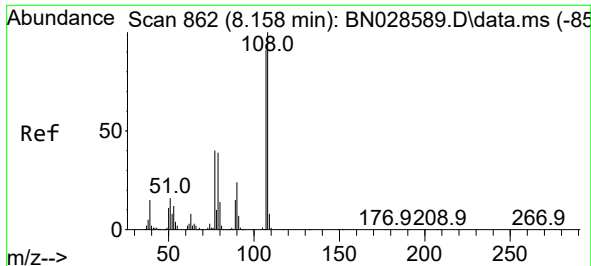
Tgt Ion: 93 Resp: 507852
Ion Ratio Lower Upper
93 100
63 77.6 59.5 89.3
95 31.9 26.2 39.2



#12
2-Chlorophenol
Concen: 56.091 ng/ul
RT: 7.264 min Scan# 710
Delta R.T. 0.001 min
Lab File: BN028609.D
Acq: 14 Nov 2023 18:58

Tgt Ion: 128 Resp: 567394
Ion Ratio Lower Upper
128 100
64 45.8 35.9 53.9
130 33.3 24.7 37.1





#13

2-Methylphenol

Concen: 50.674 ng/ul

RT: 8.152 min Scan# 8

Delta R.T. -0.006 min

Lab File: BN028609.D

Acq: 14 Nov 2023 18:58

Instrument :

BNA_N

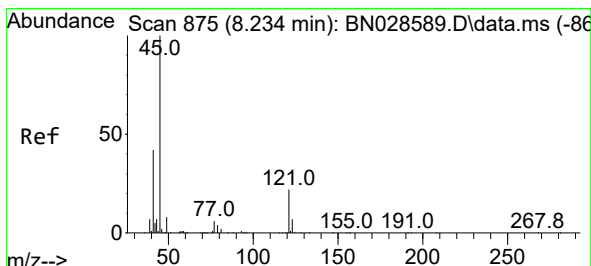
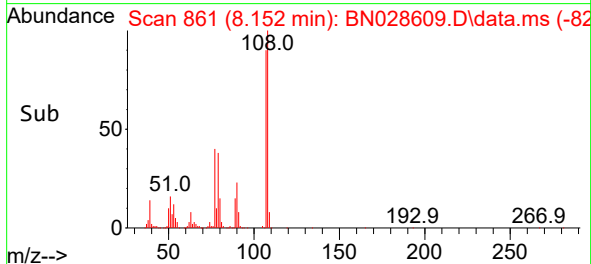
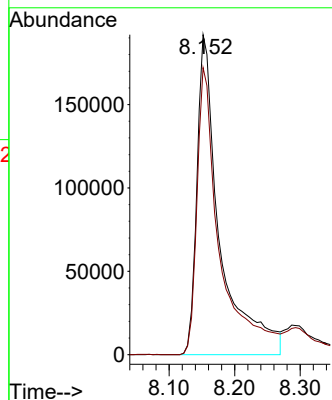
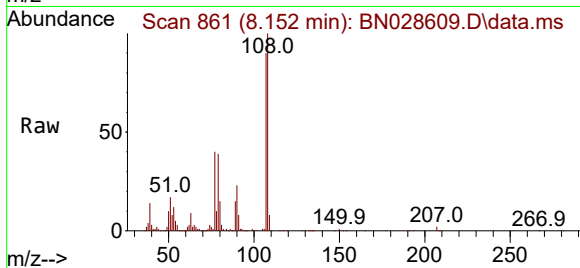
ClientSampleId :

Tgt Ion:108 Resp: 469953

Ion Ratio Lower Upper

108 100

107 89.7 72.7 109.1



#14

2,2'-oxybis(1-Chloropropane)

Concen: 61.615 ng/ul

RT: 8.228 min Scan# 874

Delta R.T. -0.006 min

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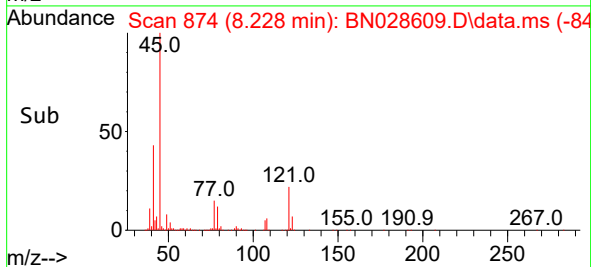
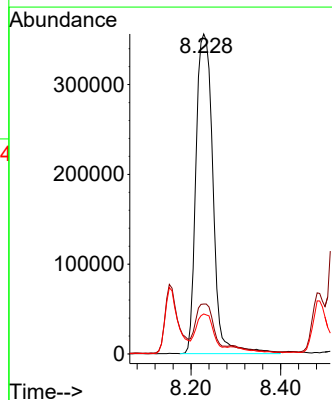
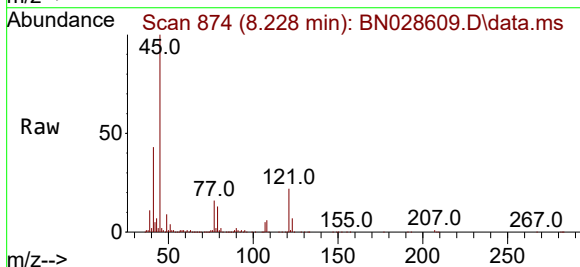
Tgt Ion: 45 Resp: 934398

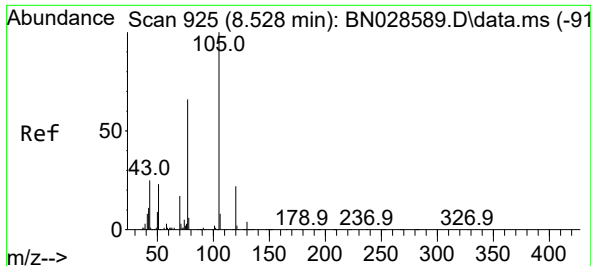
Ion Ratio Lower Upper

45 100

77 15.6 12.6 18.8

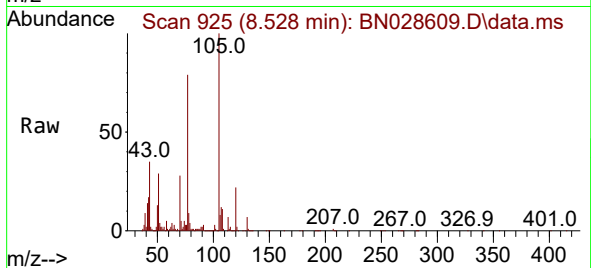
79 12.5 9.9 14.9



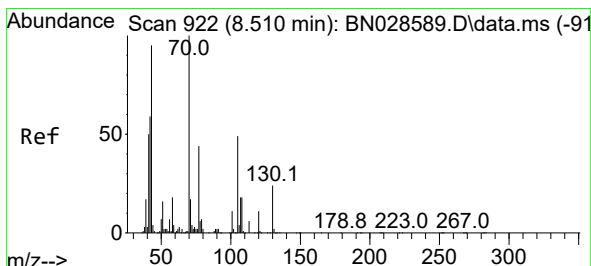
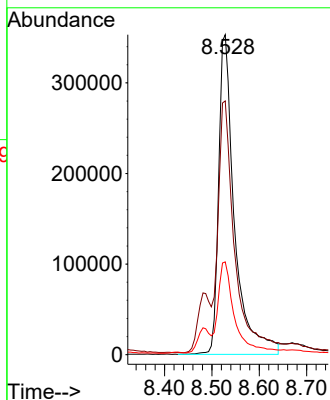
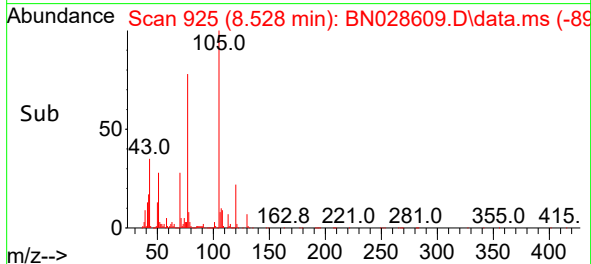


#16
Acetophenone
Concen: 52.160 ng/ul
RT: 8.528 min Scan# 91
Delta R.T. 0.000 min
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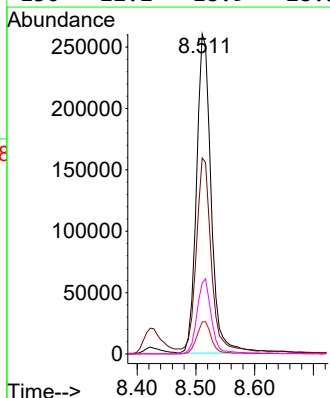
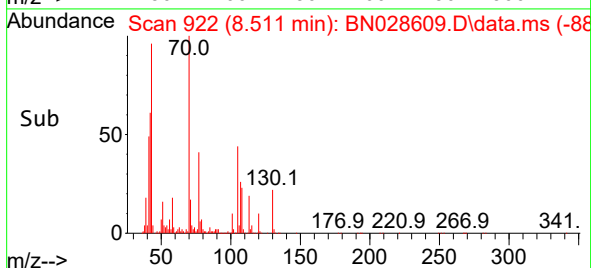
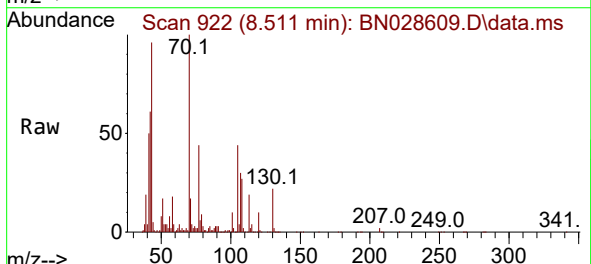


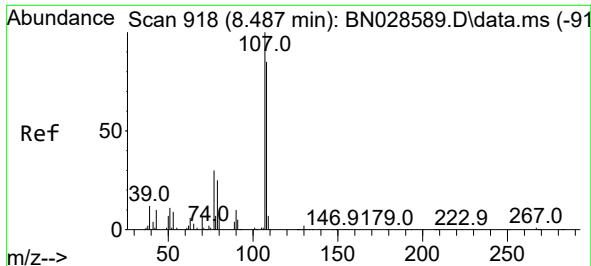
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Ion Ratio Lower Upper
105 100
77 79.3 63.0 94.4
51 29.0 22.9 34.3



#17
N-Nitroso-di-n-propylamine
Concen: 54.877 ng/ul
RT: 8.511 min Scan# 922
Delta R.T. 0.001 min
Lab File: BN028609.D
Acq: 14 Nov 2023 18:58

Tgt Ion: 70 Resp: 450800
Ion Ratio Lower Upper
70 100
42 61.3 48.1 72.1
101 10.0 8.8 13.2
130 22.2 18.9 28.3

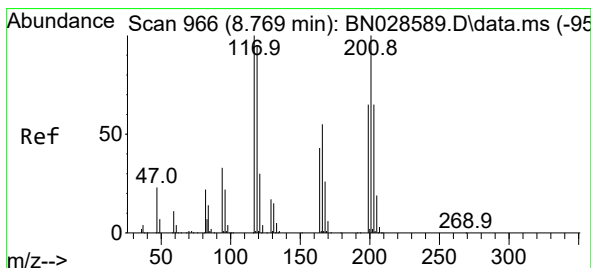
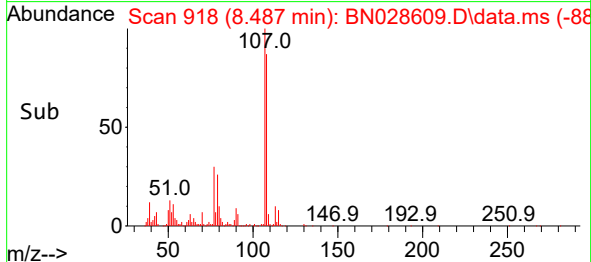
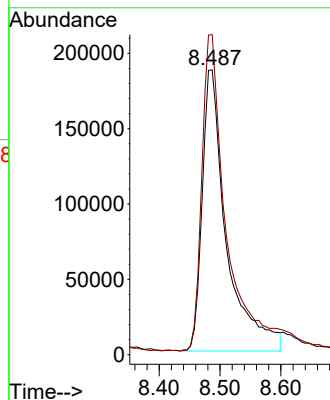
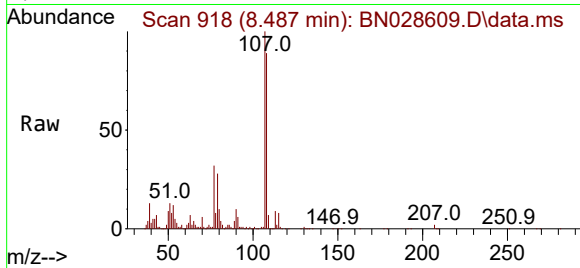




#18
4-Methylphenol
Concen: 51.977 ng/ul
RT: 8.487 min Scan# 918
Delta R.T. 0.000 min
Lab File: BN028609.D
Acq: 14 Nov 2023 18:58

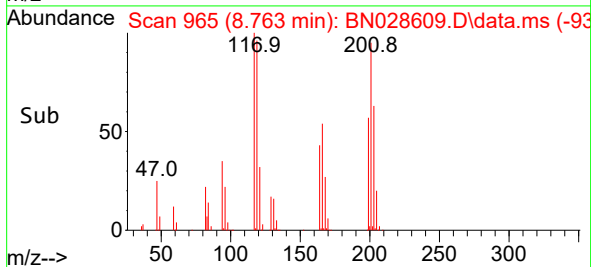
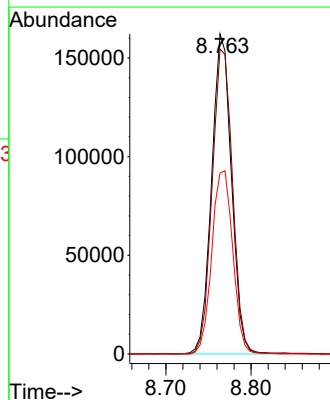
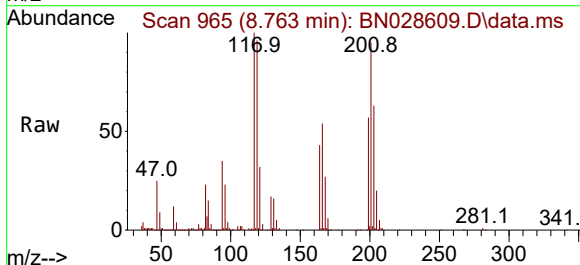
Instrument :
BNA_N
ClientSampleId :

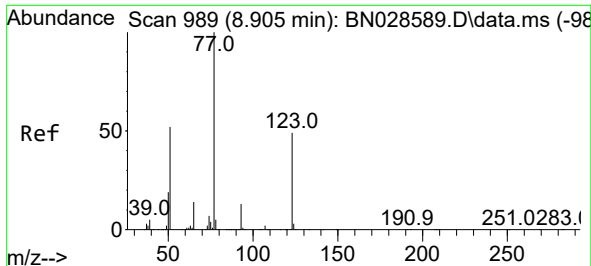
Tgt Ion:108 Resp: 517613
Ion Ratio Lower Upper
108 100
107 112.4 93.5 140.3



#19
Hexachloroethane
Concen: 56.571 ng/ul
RT: 8.763 min Scan# 965
Delta R.T. -0.006 min
Lab File: BN028609.D
Acq: 14 Nov 2023 18:58

Tgt Ion:117 Resp: 262844
Ion Ratio Lower Upper
117 100
201 95.3 80.1 120.1
199 56.6 51.8 77.8

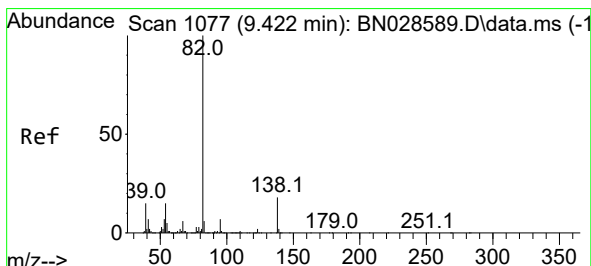
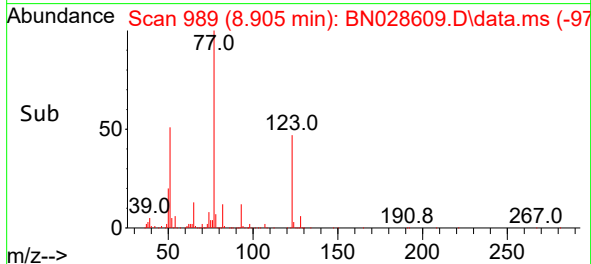
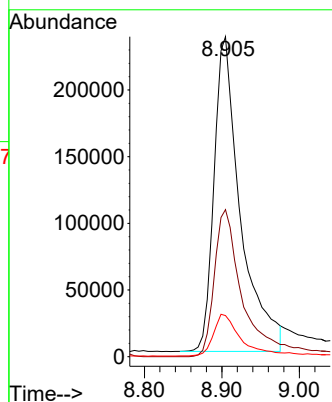
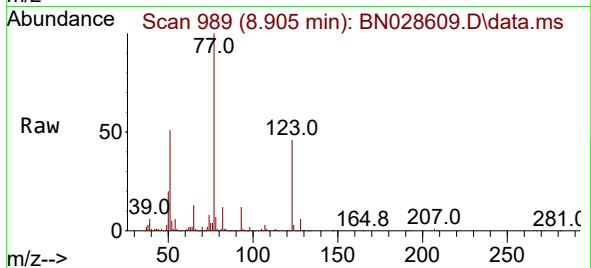




#22
Nitrobenzene
Concen: 41.691 ng/ul
RT: 8.905 min Scan# 989
Delta R.T. 0.000 min
Lab File: BN028609.D
Acq: 14 Nov 2023 18:58

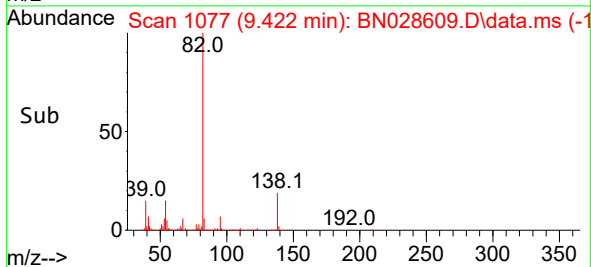
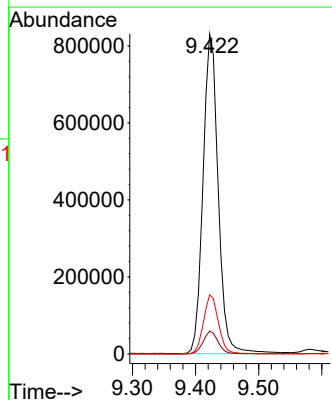
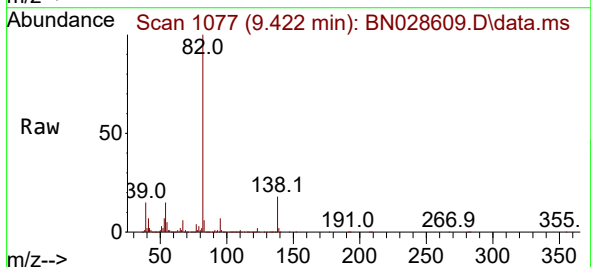
Instrument :
BNA_N
ClientSampleId :

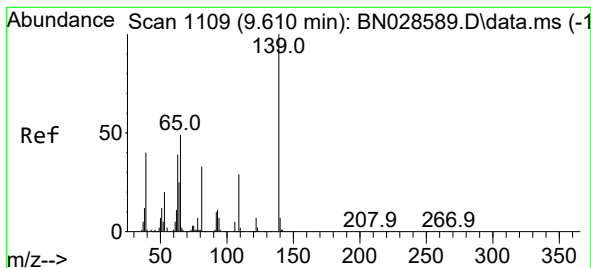
Tgt Ion: 77 Resp: 558924
Ion Ratio Lower Upper
77 100
123 46.0 38.4 57.6
65 12.9 10.9 16.3



#23
Isophorone
Concen: 46.200 ng/ul
RT: 9.422 min Scan# 1077
Delta R.T. 0.000 min
Lab File: BN028609.D
Acq: 14 Nov 2023 18:58

Tgt Ion: 82 Resp: 1381115
Ion Ratio Lower Upper
82 100
95 7.2 5.7 8.5
138 18.5 14.5 21.7





#25

2-Nitrophenol

Concen: 38.692 ng/ul

RT: 9.610 min Scan# 1109

Delta R.T. 0.000 min

Lab File: BN028609.D

Acq: 14 Nov 2023 18:58

Instrument :

BNA_N

ClientSampleId :

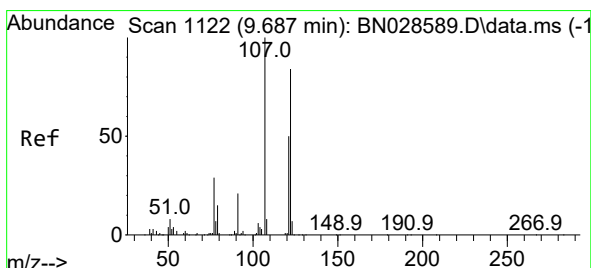
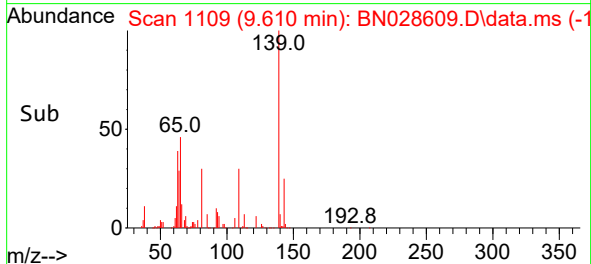
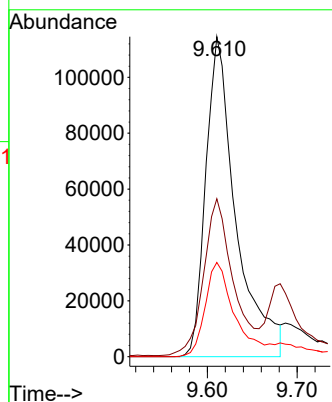
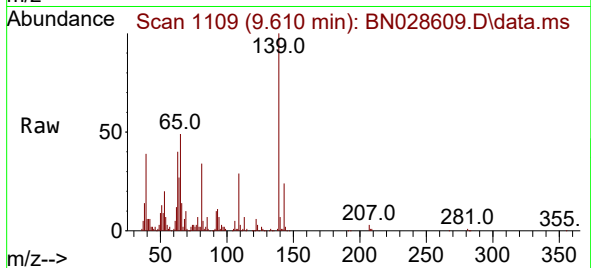
Tgt Ion:139 Resp: 266849

Ion Ratio Lower Upper

139 100

65 49.3 39.8 59.6

109 29.5 23.1 34.7



#26

2,4-Dimethylphenol

Concen: 38.538 ng/ul

RT: 9.681 min Scan# 1121

Delta R.T. -0.006 min

Lab File: BN028609.D

Acq: 14 Nov 2023 18:58

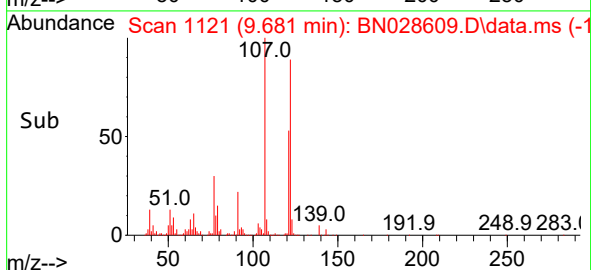
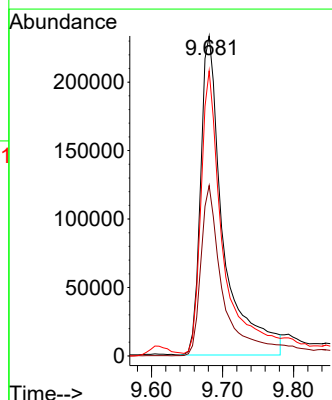
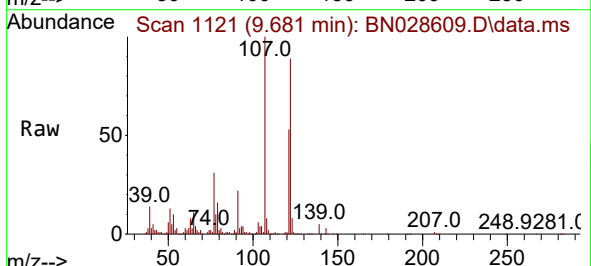
Tgt Ion:107 Resp: 520815

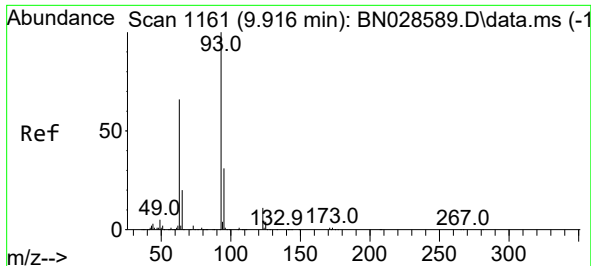
Ion Ratio Lower Upper

107 100

121 53.3 39.8 59.8

122 89.1 68.1 102.1





#27

Bis(2-Chloroethoxy)methane

Concen: 41.920 ng/ul

RT: 9.916 min Scan# 1161

Delta R.T. 0.000 min

Lab File: BN028609.D

Acq: 14 Nov 2023 18:58

Instrument :

BNA_N

ClientSampleId :

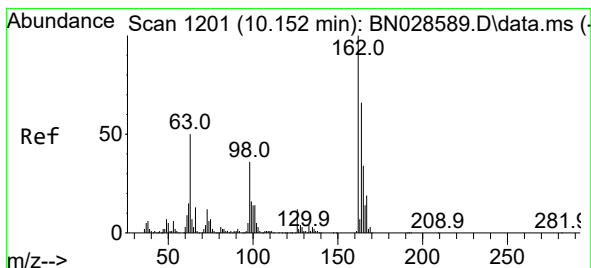
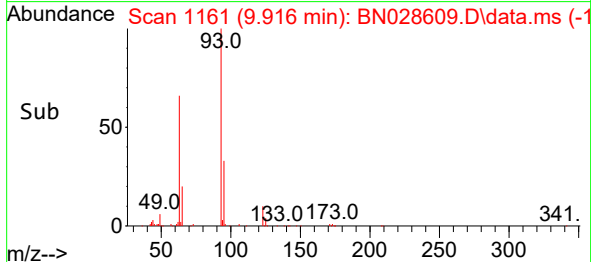
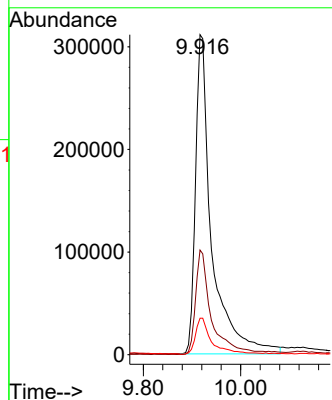
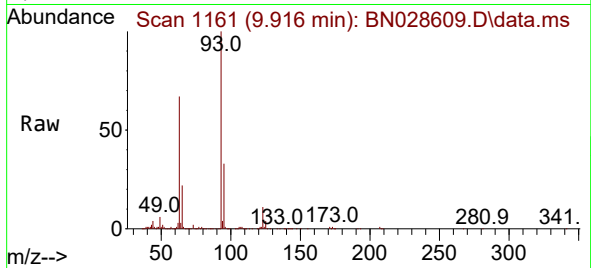
Tgt Ion: 93 Resp: 723730

Ion Ratio Lower Upper

93 100

95 32.7 24.7 37.1

123 11.4 9.2 13.8



#29

2,4-Dichlorophenol

Concen: 45.066 ng/ul

RT: 10.146 min Scan# 1200

Delta R.T. -0.006 min

Lab File: BN028609.D

Acq: 14 Nov 2023 18:58

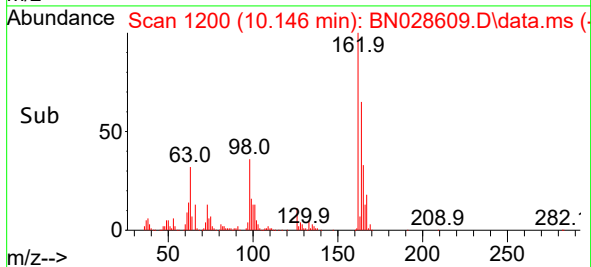
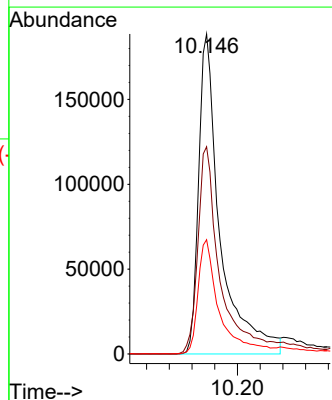
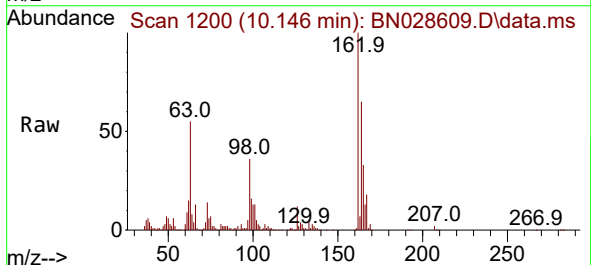
Tgt Ion:162 Resp: 497155

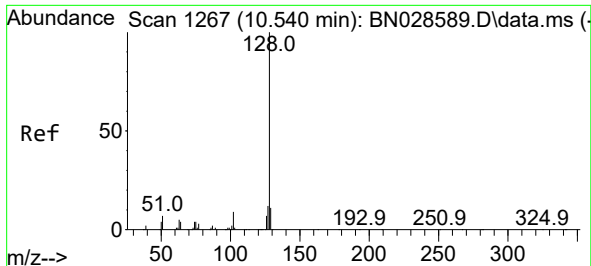
Ion Ratio Lower Upper

162 100

164 64.7 53.1 79.7

98 35.7 28.6 43.0

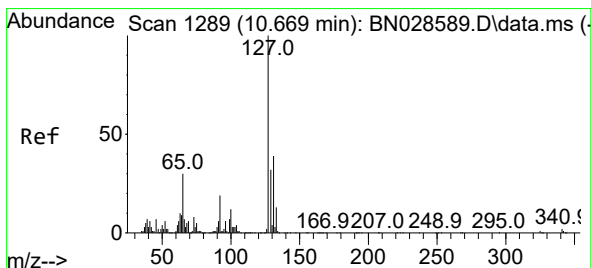
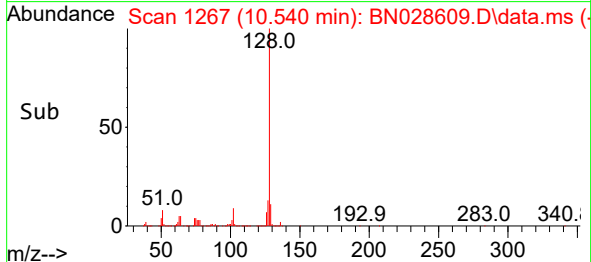
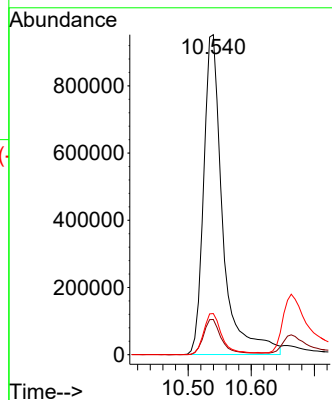
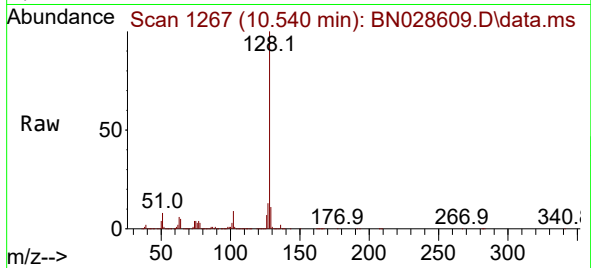




#30
Naphthalene
Concen: 44.857 ng/ul
RT: 10.540 min Scan# 1267
Delta R.T. -0.000 min
Lab File: BN028609.D
Acq: 14 Nov 2023 18:58

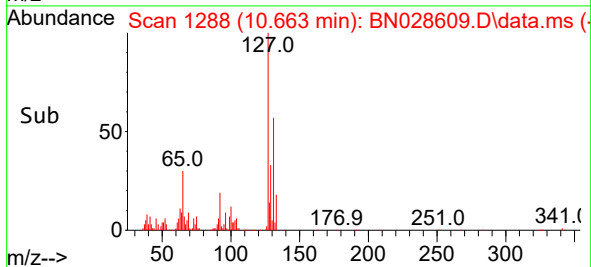
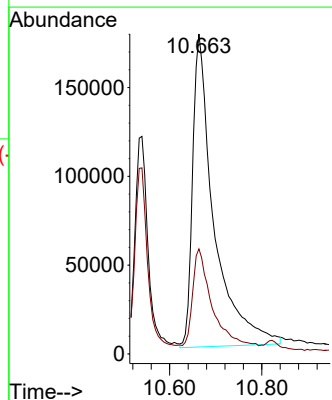
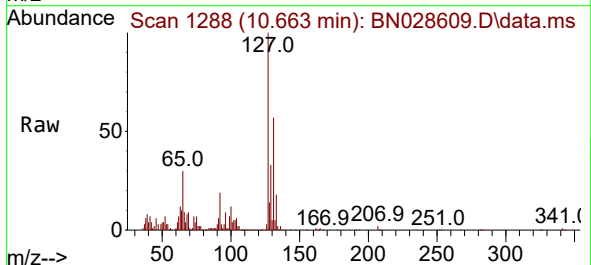
Instrument :
BNA_N
ClientSampleId :

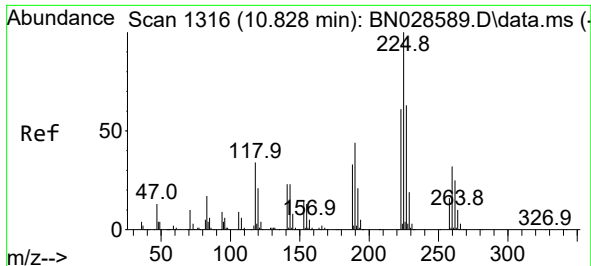
Tgt Ion:128 Resp: 2003925
Ion Ratio Lower Upper
128 100
129 11.0 8.5 12.7
127 12.9 10.0 15.0



#32
4-Chloroaniline
Concen: 35.650 ng/ul
RT: 10.663 min Scan# 1288
Delta R.T. -0.006 min
Lab File: BN028609.D
Acq: 14 Nov 2023 18:58

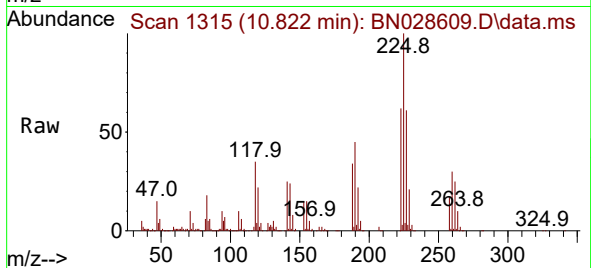
Tgt Ion:127 Resp: 564736
Ion Ratio Lower Upper
127 100
129 32.8 26.7 40.1



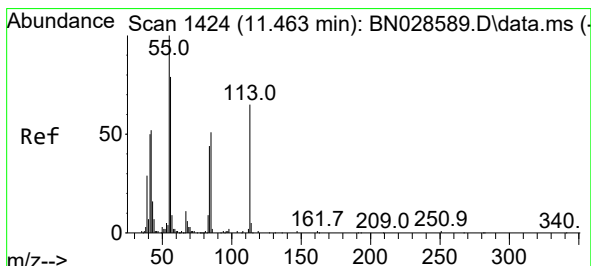
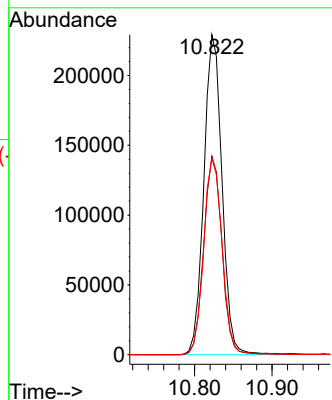
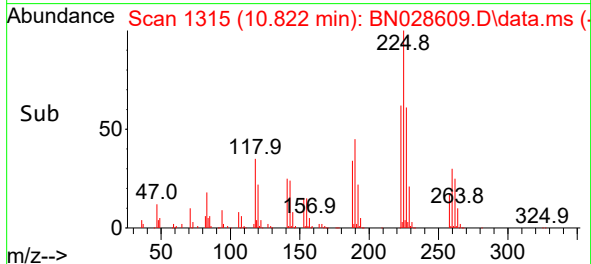


#33
Hexachlorobutadiene
Concen: 45.058 ng/ul
RT: 10.822 min Scan# 11
Delta R.T. -0.006 min
Lab File: BN028609.D
Acq: 14 Nov 2023 18:58

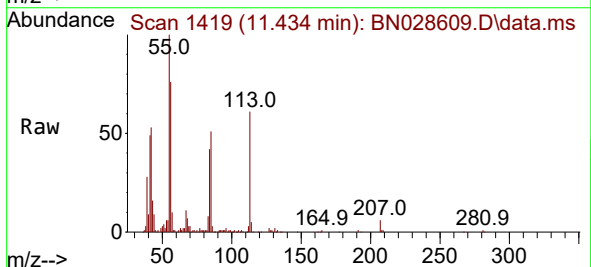
Instrument :
BNA_N
ClientSampleId :



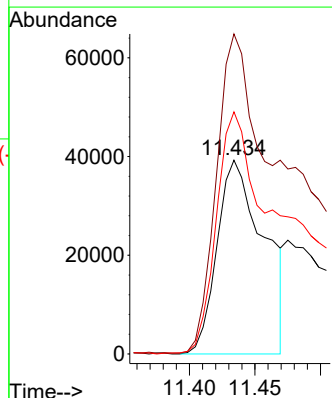
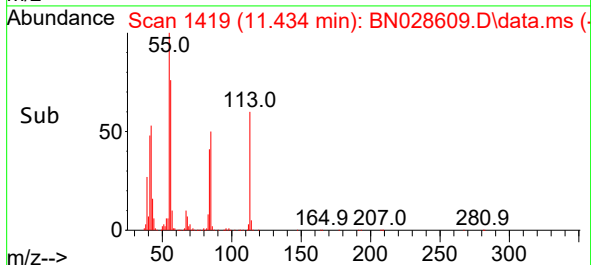
Tgt Ion:225 Resp: 372478
Ion Ratio Lower Upper
225 100
223 62.1 48.9 73.3
227 61.4 50.7 76.1

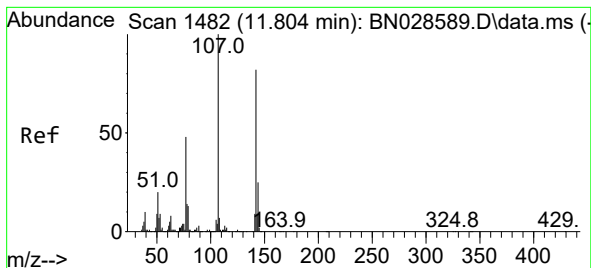


#34
Caprolactam
Concen: 26.089 ng/ul
RT: 11.434 min Scan# 1419
Delta R.T. -0.029 min
Lab File: BN028609.D
Acq: 14 Nov 2023 18:58



Tgt Ion:113 Resp: 97400
Ion Ratio Lower Upper
113 100
55 165.1 124.0 186.0
56 124.9 98.1 147.1

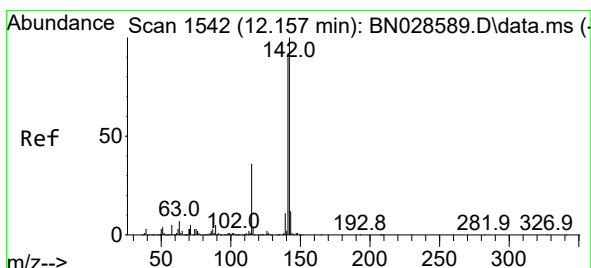
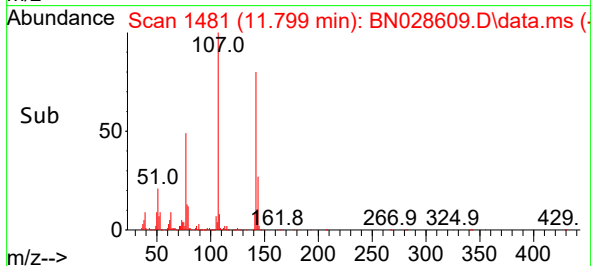
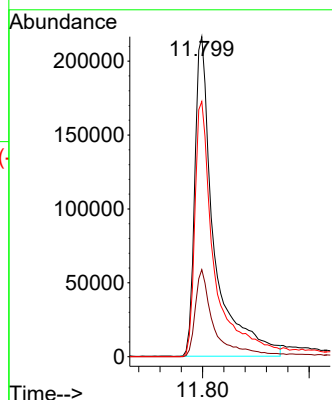
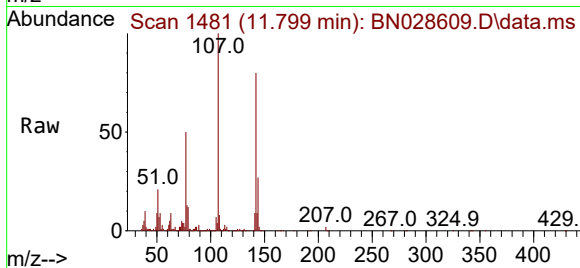




#35
4-Chloro-3-methylphenol
Concen: 45.428 ng/ul
RT: 11.799 min Scan# 1481
Delta R.T. -0.005 min
Lab File: BN028609.D
Acq: 14 Nov 2023 18:58

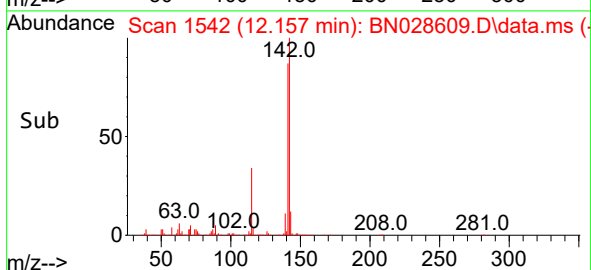
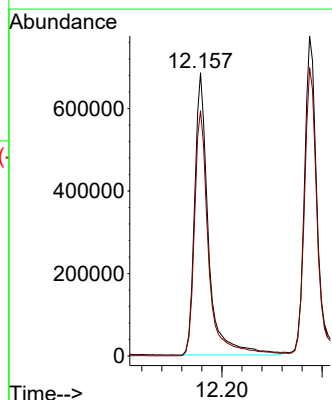
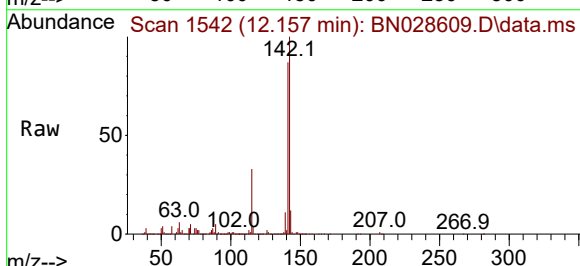
Instrument :
BNA_N
ClientSampleId :

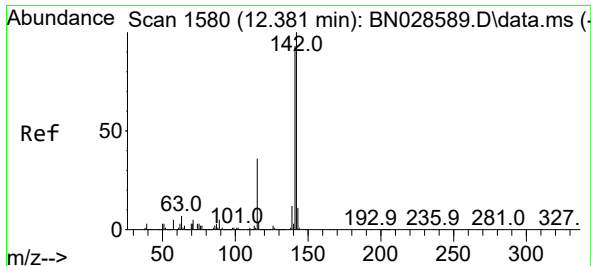
Tgt Ion:107 Resp: 546608
Ion Ratio Lower Upper
107 100
144 27.2 20.3 30.5
142 79.8 65.7 98.5



#36
2-Methylnaphthalene
Concen: 44.249 ng/ul
RT: 12.157 min Scan# 1542
Delta R.T. 0.000 min
Lab File: BN028609.D
Acq: 14 Nov 2023 18:58

Tgt Ion:142 Resp: 1308826
Ion Ratio Lower Upper
142 100
141 86.6 73.6 110.4





#37

1-Methylnaphthalene

Concen: 43.364 ng/ul

RT: 12.375 min Scan# 1

Delta R.T. -0.006 min

Lab File: BN028609.D

Acq: 14 Nov 2023 18:58

Instrument :

BNA_N

ClientSampleId :

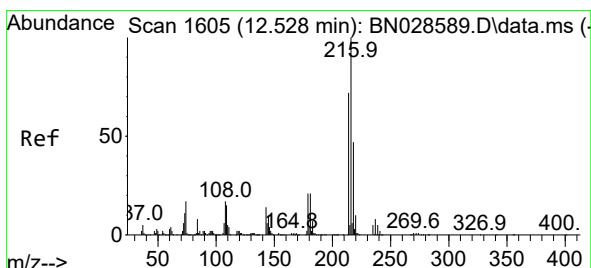
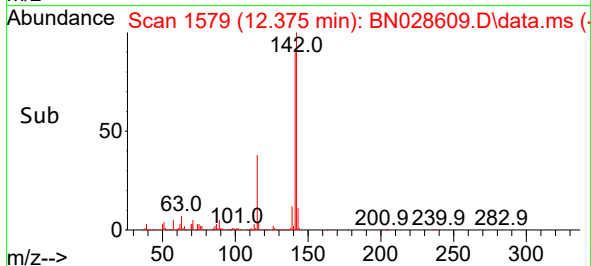
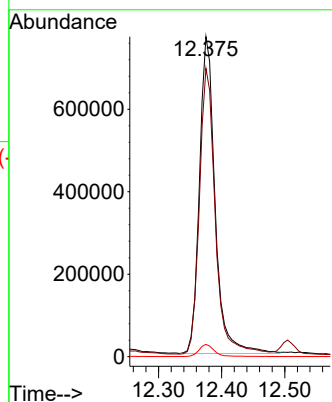
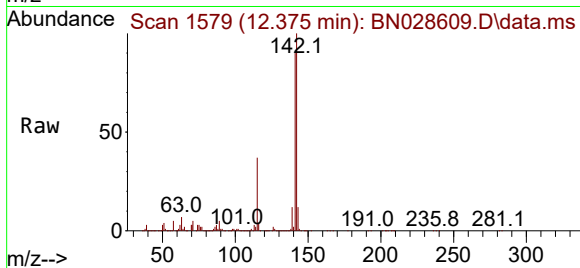
Tgt Ion:142 Resp: 1325123

Ion Ratio Lower Upper

142 100

141 90.1 74.6 112.0

116 3.9 3.0 4.6



#39

1,2,4,5-Tetrachlorobenzene

Concen: 43.072 ng/ul

RT: 12.528 min Scan# 1605

Delta R.T. -0.000 min

Lab File: BN028609.D

Acq: 14 Nov 2023 18:58

Tgt Ion:216 Resp: 675998

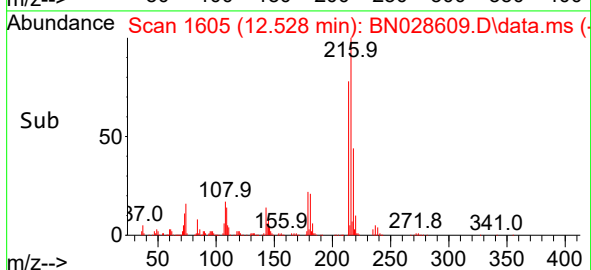
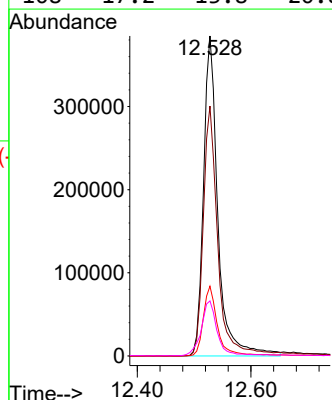
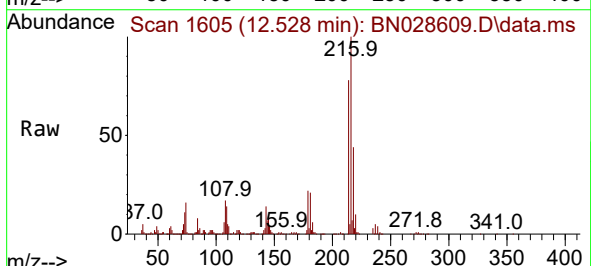
Ion Ratio Lower Upper

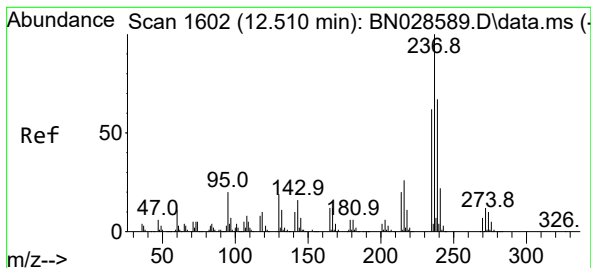
216 100

214 78.1 57.4 86.2

179 21.8 16.5 24.7

108 17.2 13.8 20.8





#40

Hexachlorocyclopentadiene

Concen: 46.398 ng/ul

RT: 12.504 min Scan# 1601

Delta R.T. -0.006 min

Lab File: BN028609.D

Acq: 14 Nov 2023 18:58

Instrument :

BNA_N

ClientSampleId :

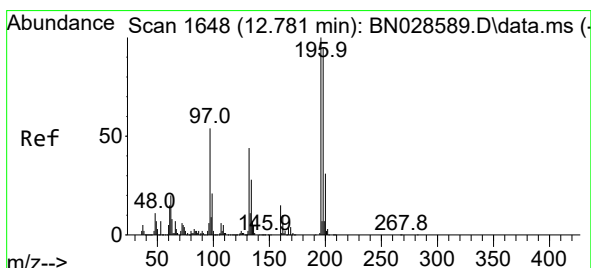
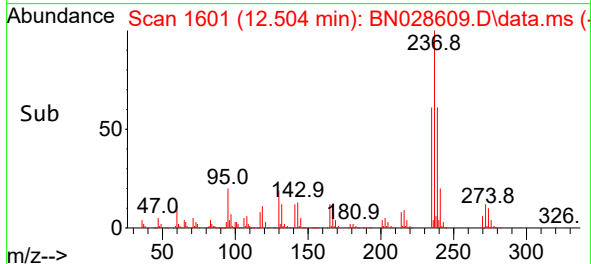
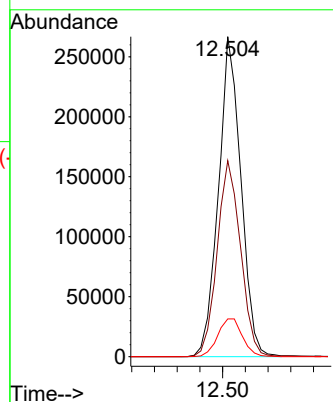
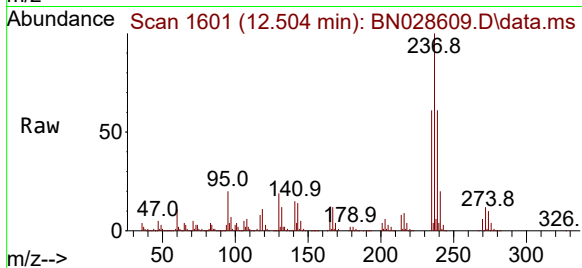
Tgt Ion:237 Resp: 366699

Ion Ratio Lower Upper

237 100

235 61.3 49.8 74.6

272 11.8 9.9 14.9



#41

2,4,6-Trichlorophenol

Concen: 44.242 ng/ul

RT: 12.775 min Scan# 1647

Delta R.T. -0.006 min

Lab File: BN028609.D

Acq: 14 Nov 2023 18:58

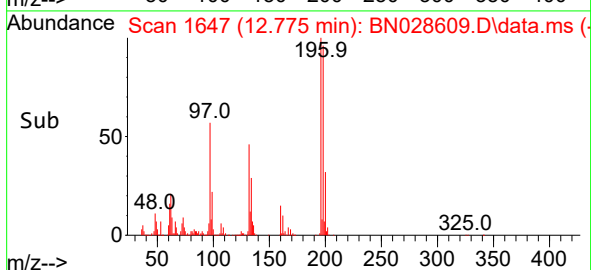
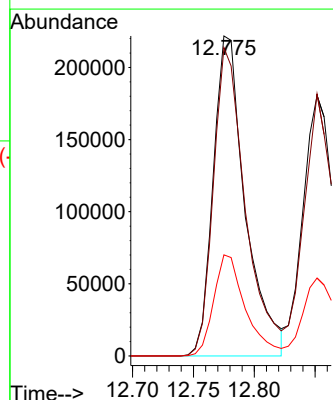
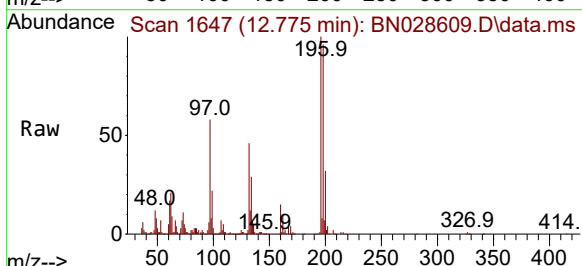
Tgt Ion:196 Resp: 407017

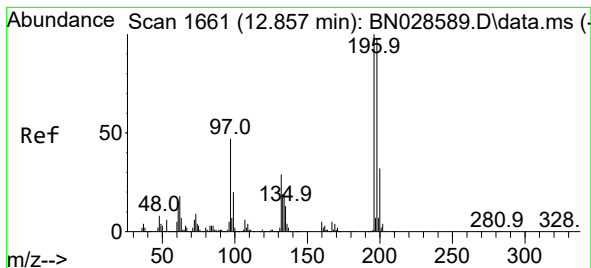
Ion Ratio Lower Upper

196 100

198 96.4 75.7 113.5

200 31.6 24.8 37.2





#42

2,4,5-Trichlorophenol

Concen: 34.496 ng/ul

RT: 12.851 min Scan# 1

Delta R.T. -0.006 min

Lab File: BN028609.D

Acq: 14 Nov 2023 18:58

Instrument :

BNA_N

ClientSampleId :

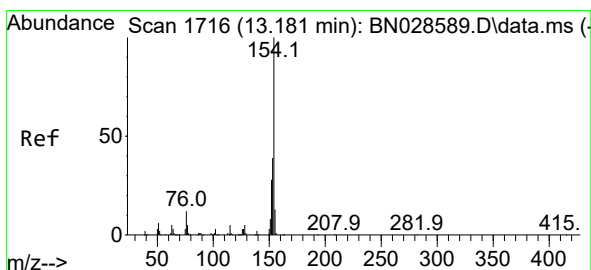
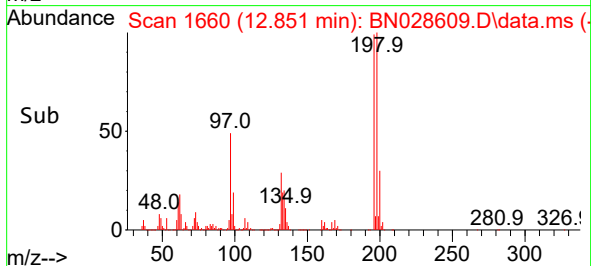
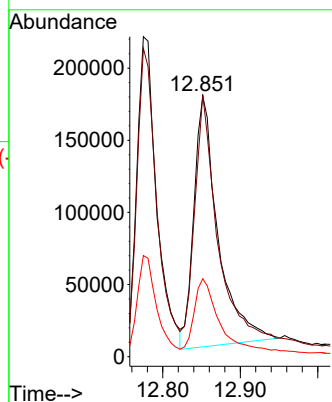
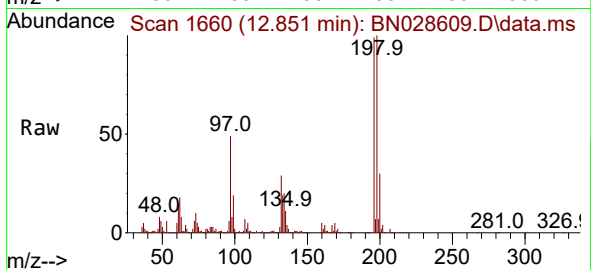
Tgt Ion:196 Resp: 379130

Ion Ratio Lower Upper

196 100

198 100.6 77.8 116.6

200 29.9 25.5 38.3



#43

1,1'-Biphenyl

Concen: 42.198 ng/ul

RT: 13.181 min Scan# 1716

Delta R.T. -0.000 min

Lab File: BN028609.D

Acq: 14 Nov 2023 18:58

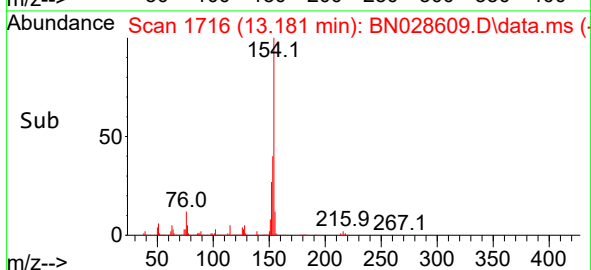
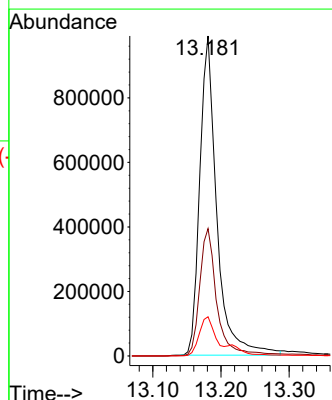
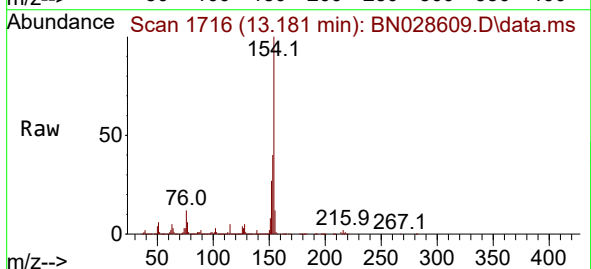
Tgt Ion:154 Resp: 1718191

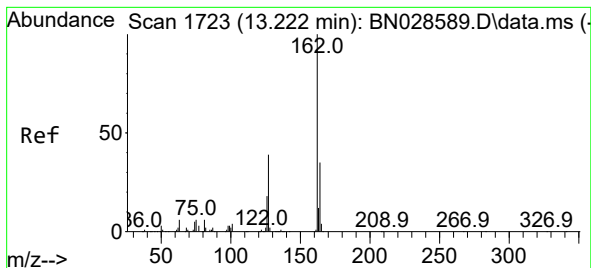
Ion Ratio Lower Upper

154 100

153 39.8 31.4 47.2

76 12.2 9.6 14.4





#44

2-Chloronaphthalene

Concen: 42.127 ng/ul

RT: 13.216 min Scan# 1722

Delta R.T. -0.006 min

Lab File: BN028609.D

Acq: 14 Nov 2023 18:58

Instrument :

BNA_N

ClientSampleId :

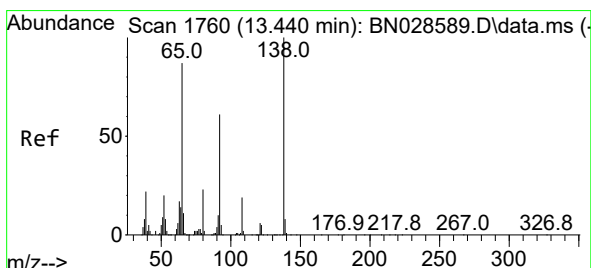
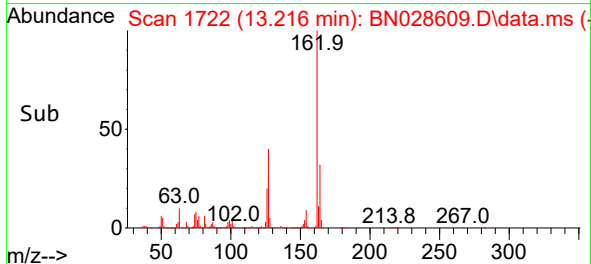
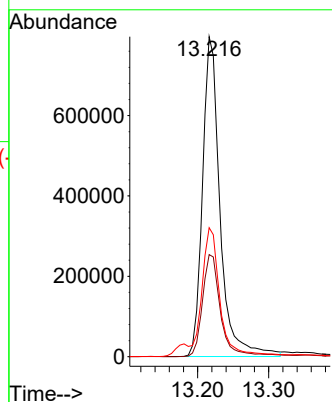
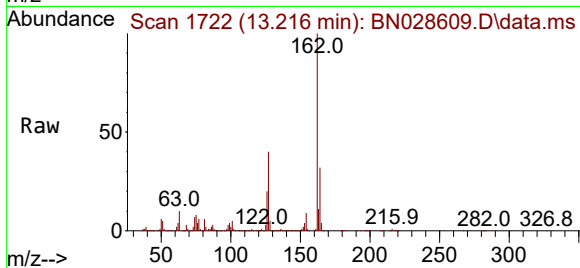
Tgt Ion:162 Resp: 1368503

Ion Ratio Lower Upper

162 100

164 31.9 28.0 42.0

127 40.3 32.9 49.3



#45

2-Nitroaniline

Concen: 39.190 ng/ul

RT: 13.440 min Scan# 1760

Delta R.T. -0.000 min

Lab File: BN028609.D

Acq: 14 Nov 2023 18:58

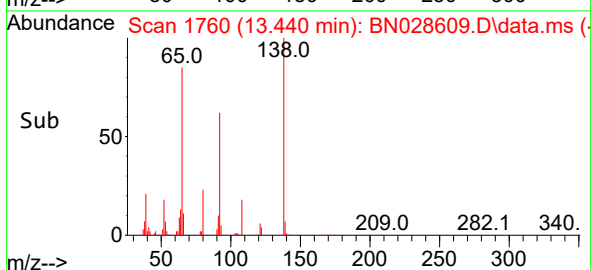
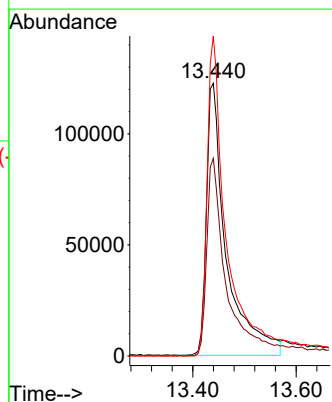
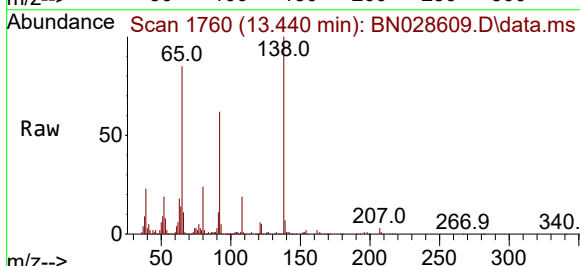
Tgt Ion: 65 Resp: 325176

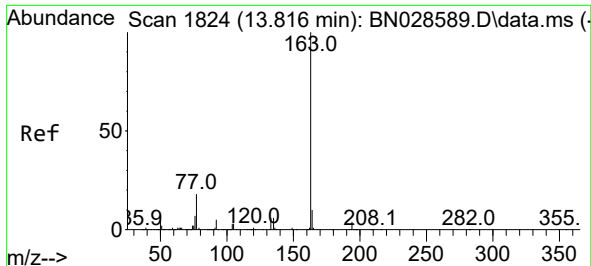
Ion Ratio Lower Upper

65 100

92 72.5 56.6 85.0

138 117.3 92.2 138.2

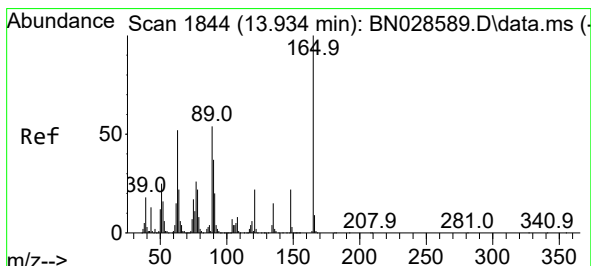
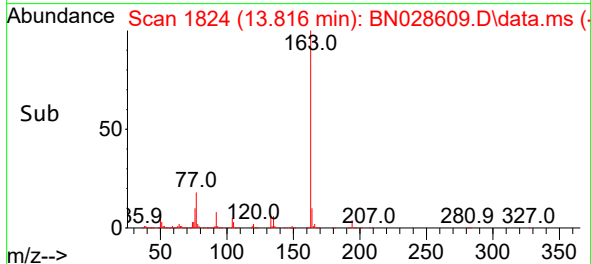
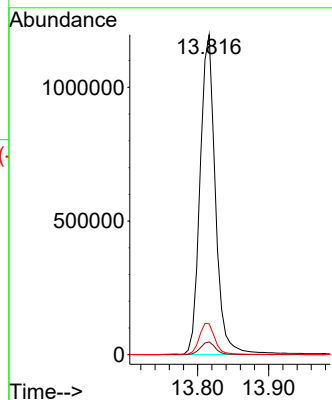
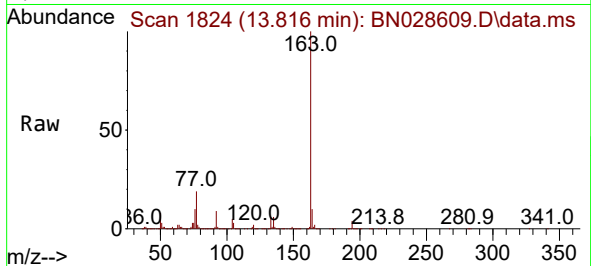




#47
Dimethylphthalate
Concen: 43.593 ng/ul
RT: 13.816 min Scan# 1824
Delta R.T. 0.000 min
Lab File: BN028609.D
Acq: 14 Nov 2023 18:58

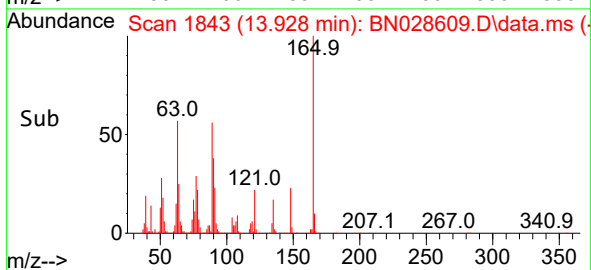
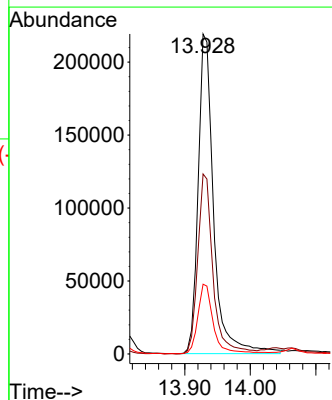
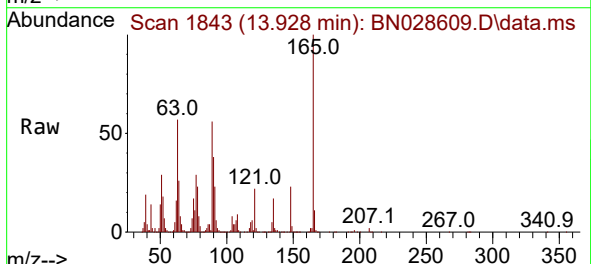
Instrument :
BNA_N
ClientSampleId :

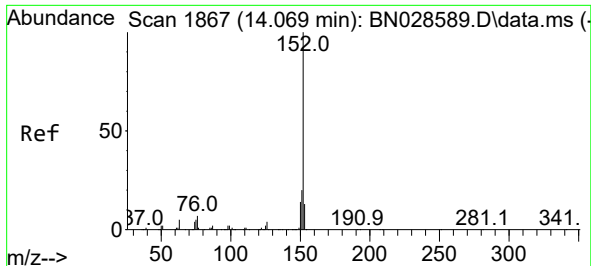
Tgt Ion:163 Resp: 1800141
Ion Ratio Lower Upper
163 100
194 4.0 3.2 4.8
164 9.6 8.0 12.0



#48
2,6-Dinitrotoluene
Concen: 44.180 ng/ul
RT: 13.928 min Scan# 1843
Delta R.T. -0.006 min
Lab File: BN028609.D
Acq: 14 Nov 2023 18:58

Tgt Ion:165 Resp: 360240
Ion Ratio Lower Upper
165 100
89 56.3 43.6 65.4
121 21.8 17.7 26.5

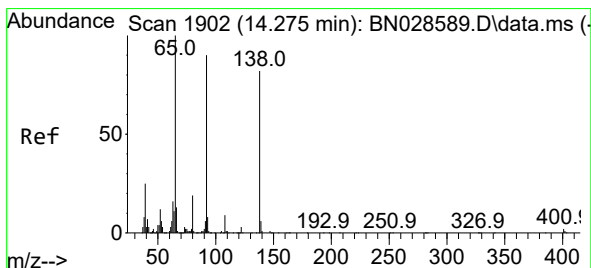
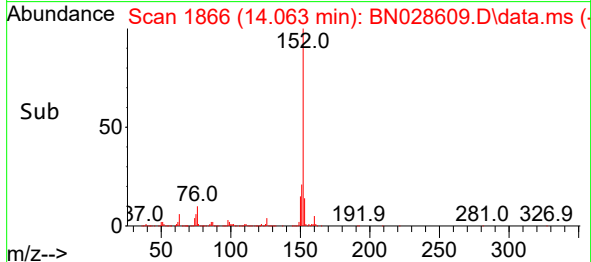
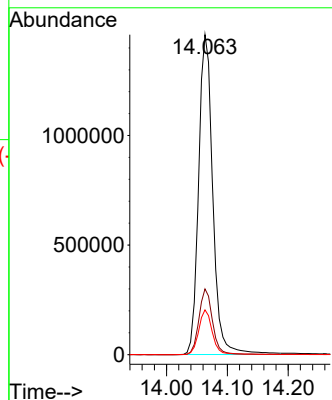
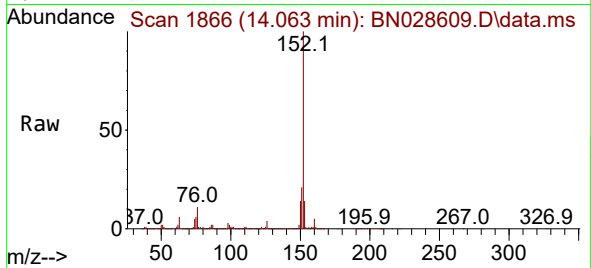




#50
Acenaphthylene
Concen: 43.800 ng/ul
RT: 14.063 min Scan# 1866
Delta R.T. -0.006 min
Lab File: BN028609.D
Acq: 14 Nov 2023 18:58

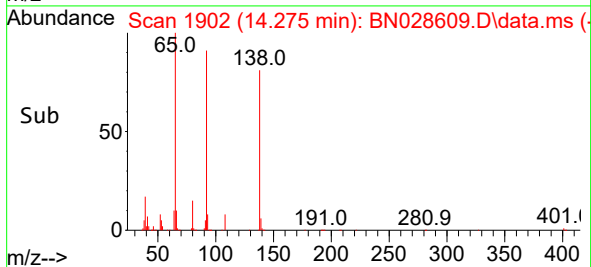
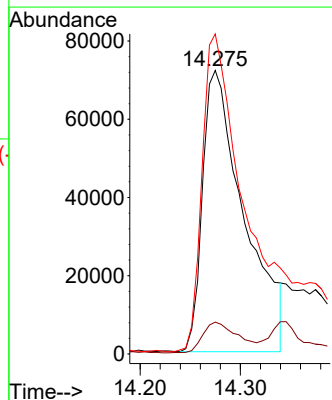
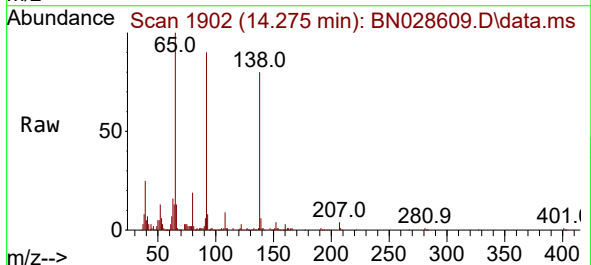
Instrument :
BNA_N
ClientSampleId :

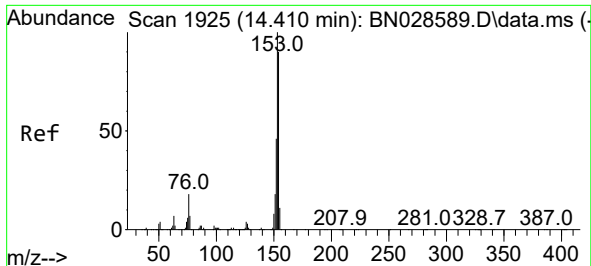
Tgt Ion:152 Resp: 2368726
Ion Ratio Lower Upper
152 100
151 20.6 15.8 23.8
153 14.0 10.4 15.6



#51
3-Nitroaniline
Concen: 25.881 ng/ul
RT: 14.275 min Scan# 1902
Delta R.T. -0.000 min
Lab File: BN028609.D
Acq: 14 Nov 2023 18:58

Tgt Ion:138 Resp: 206873
Ion Ratio Lower Upper
138 100
108 11.2 8.9 13.3
92 112.9 88.1 132.1

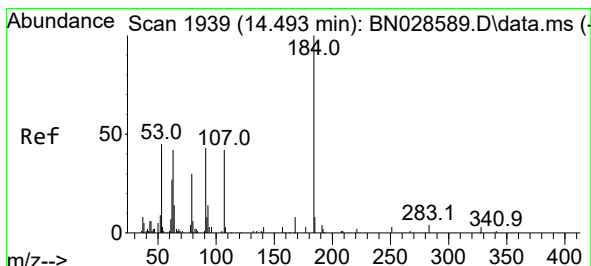
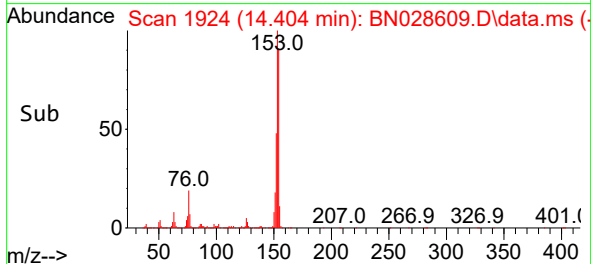
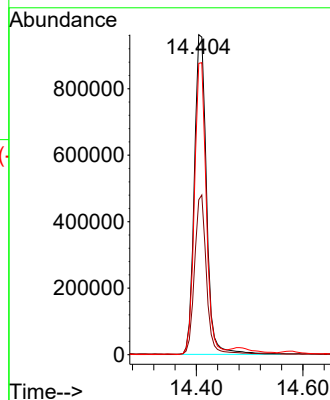
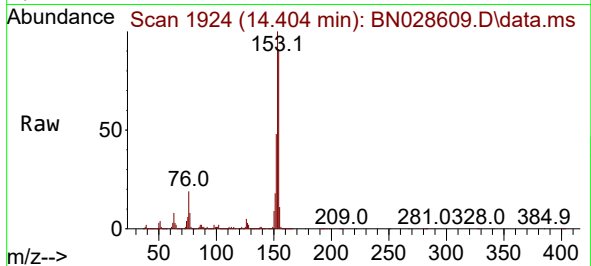




#52
Acenaphthene
Concen: 43.268 ng/ul
RT: 14.404 min Scan# 1924
Delta R.T. -0.006 min
Lab File: BN028609.D
Acq: 14 Nov 2023 18:58

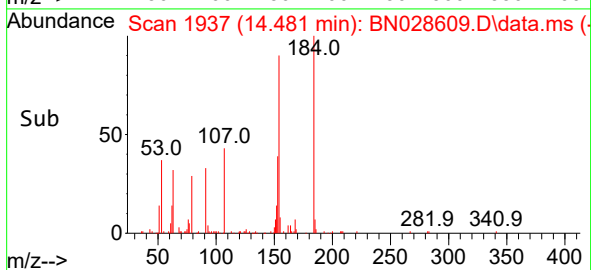
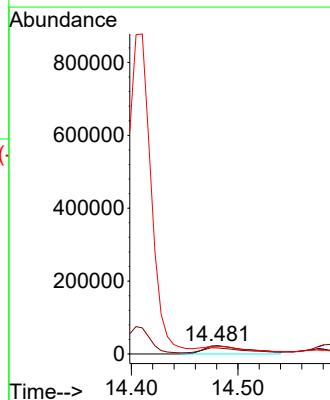
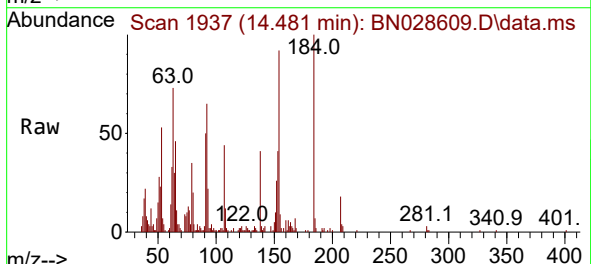
Instrument :
BNA_N
ClientSampleId :

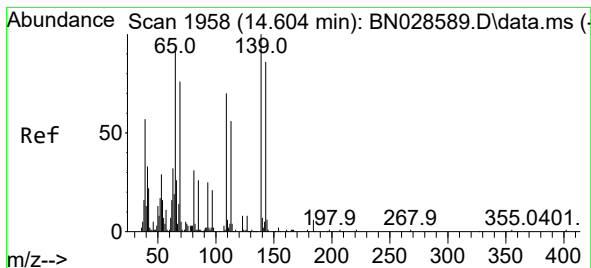
Tgt Ion:153 Resp: 1539850
Ion Ratio Lower Upper
153 100
152 48.4 37.3 55.9
154 91.0 72.2 108.4



#53
2,4-Dinitrophenol
Concen: 32.848 ng/ul
RT: 14.481 min Scan# 1937
Delta R.T. -0.012 min
Lab File: BN028609.D
Acq: 14 Nov 2023 18:58

Tgt Ion:184 Resp: 65627
Ion Ratio Lower Upper
184 100
63 73.2 62.5 93.7
154 92.1 90.4 135.6

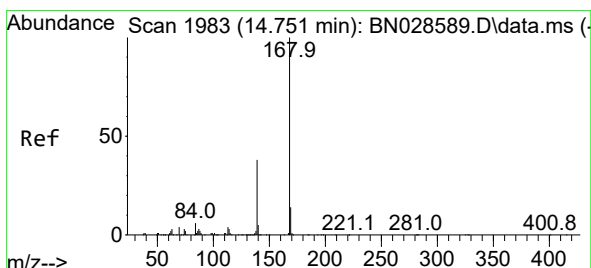
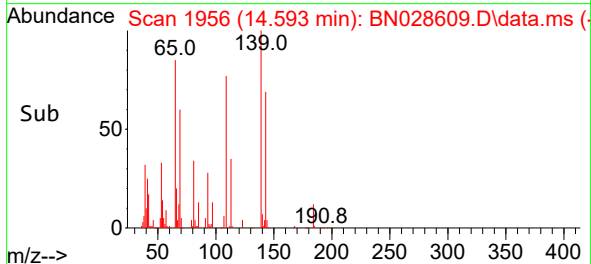
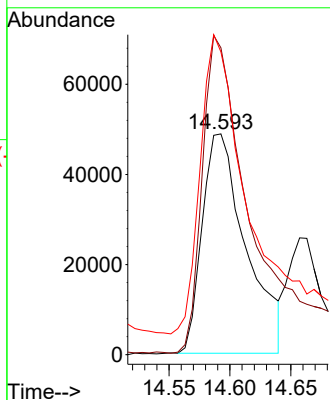
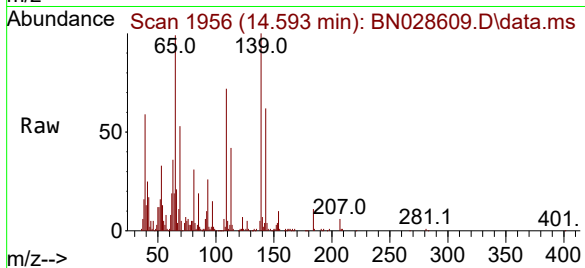




#55
4-Nitrophenol
Concen: 42.151 ng/ul
RT: 14.593 min Scan# 1956
Delta R.T. -0.011 min
Lab File: BN028609.D
Acq: 14 Nov 2023 18:58

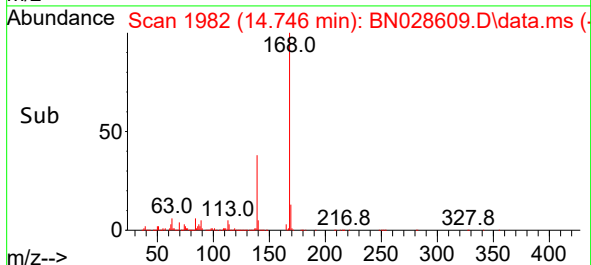
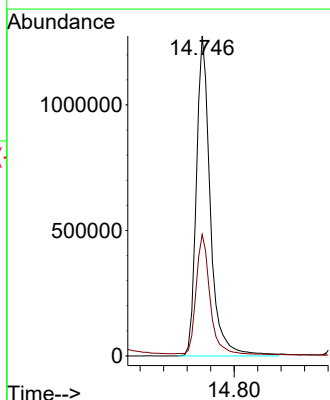
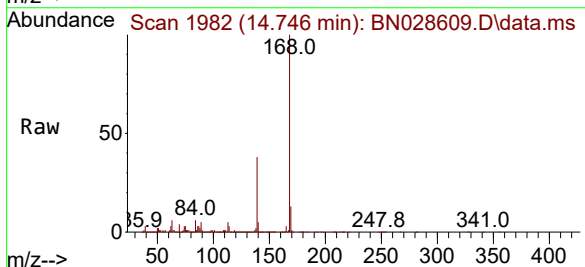
Instrument :
BNA_N
ClientSampleId :

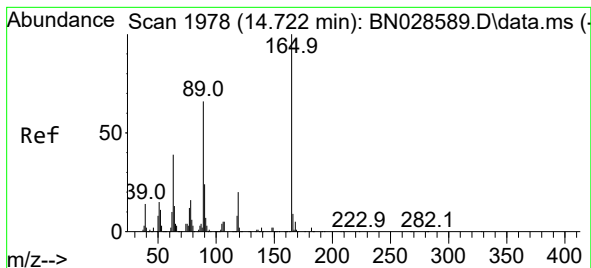
Tgt Ion:109 Resp: 121691
Ion Ratio Lower Upper
109 100
139 139.0 114.3 171.5
65 137.0 112.7 169.1



#56
Dibenzofuran
Concen: 44.191 ng/ul
RT: 14.746 min Scan# 1982
Delta R.T. -0.005 min
Lab File: BN028609.D
Acq: 14 Nov 2023 18:58

Tgt Ion:168 Resp: 2098433
Ion Ratio Lower Upper
168 100
139 37.9 31.4 47.2

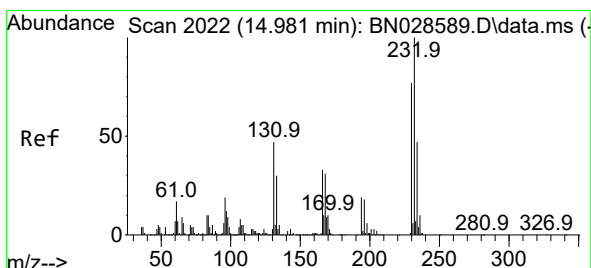
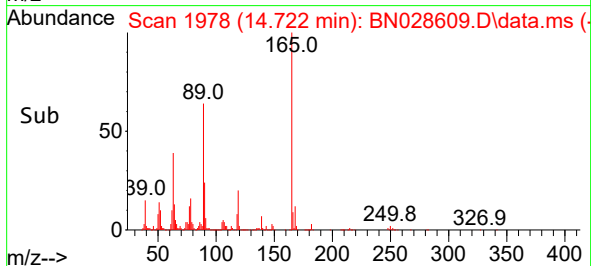
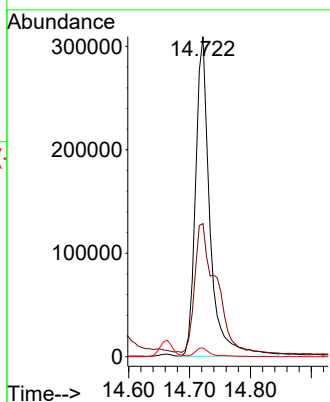
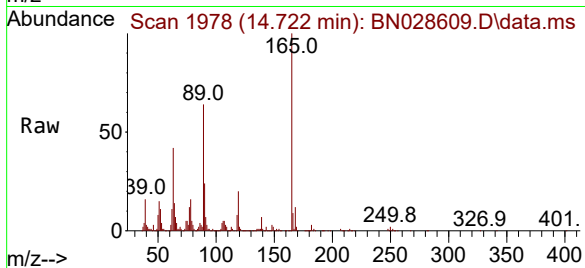




#57
2,4-Dinitrotoluene
Concen: 45.092 ng/ul
RT: 14.722 min Scan# 1978
Delta R.T. -0.000 min
Lab File: BN028609.D
Acq: 14 Nov 2023 18:58

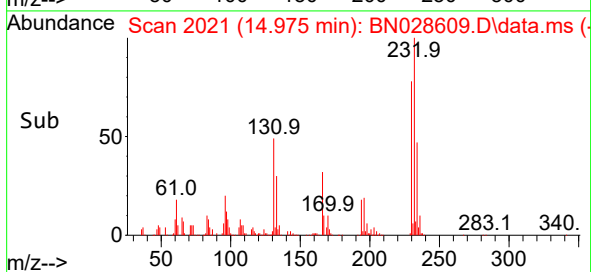
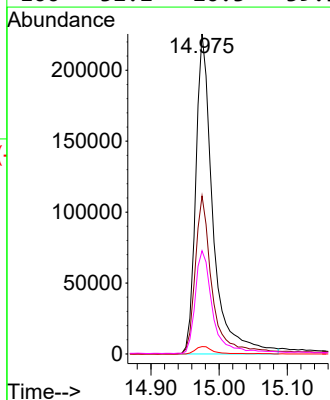
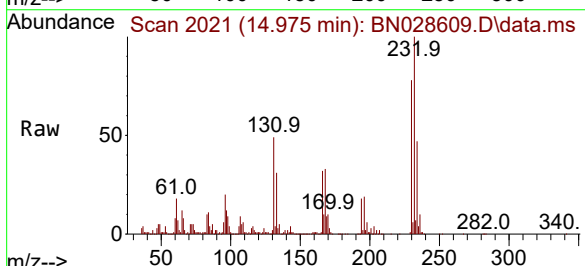
Instrument :
BNA_N
ClientSampleId :

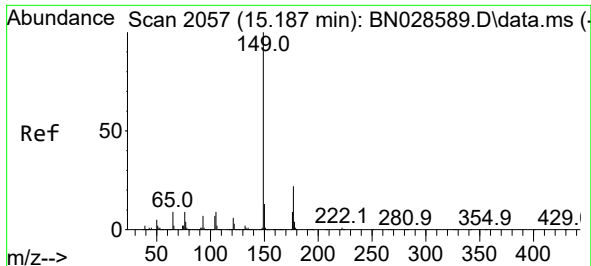
Tgt Ion:165 Resp: 505431
Ion Ratio Lower Upper
165 100
63 41.6 32.5 48.7
182 2.7 2.2 3.2



#58
2,3,4,6-Tetrachlorophenol
Concen: 44.783 ng/ul
RT: 14.975 min Scan# 2021
Delta R.T. -0.006 min
Lab File: BN028609.D
Acq: 14 Nov 2023 18:58

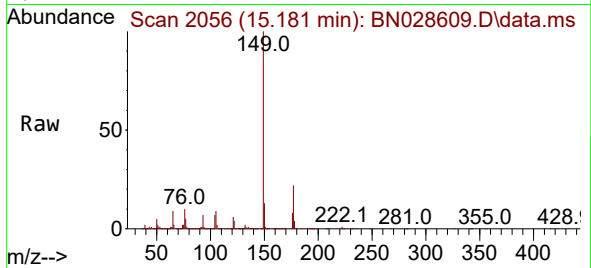
Tgt Ion:232 Resp: 396205
Ion Ratio Lower Upper
232 100
131 49.4 37.7 56.5
130 2.3 2.1 3.1
166 32.2 26.3 39.5



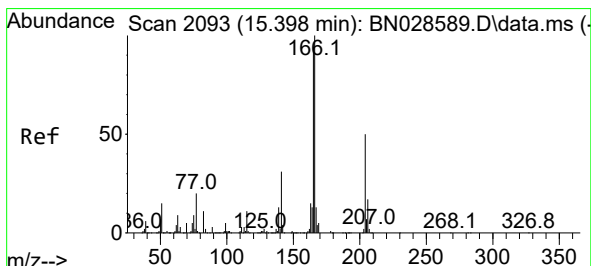
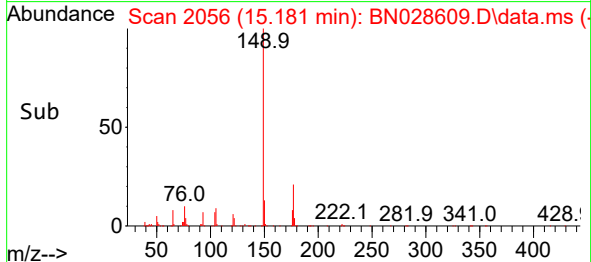
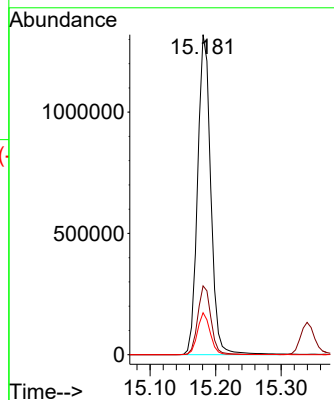


#59
Diethylphthalate
Concen: 43.578 ng/ul
RT: 15.181 min Scan# 2056
Delta R.T. -0.006 min
Lab File: BN028609.D
Acq: 14 Nov 2023 18:58

Instrument :
BNA_N
ClientSampleId :

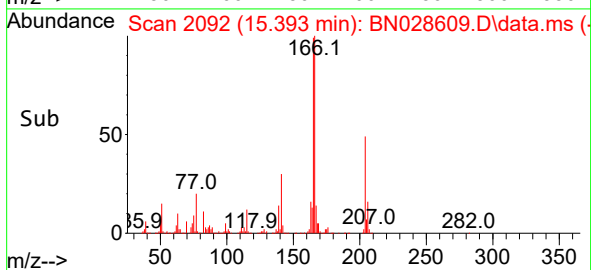
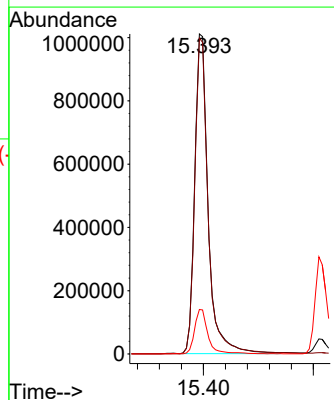
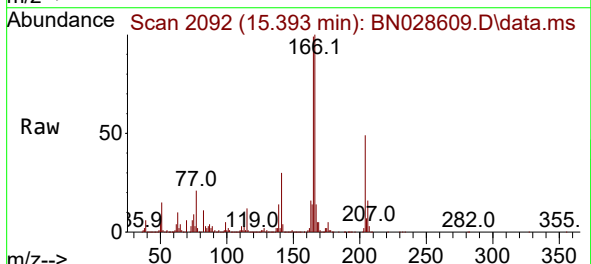


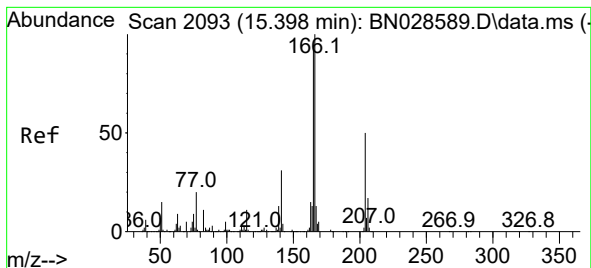
Tgt Ion:149 Resp: 1840035
Ion Ratio Lower Upper
149 100
177 21.5 17.8 26.6
150 13.1 10.4 15.6



#61
Fluorene
Concen: 43.293 ng/ul
RT: 15.393 min Scan# 2092
Delta R.T. -0.005 min
Lab File: BN028609.D
Acq: 14 Nov 2023 18:58

Tgt Ion:166 Resp: 1713523
Ion Ratio Lower Upper
166 100
165 98.7 75.3 112.9
167 13.9 10.2 15.2

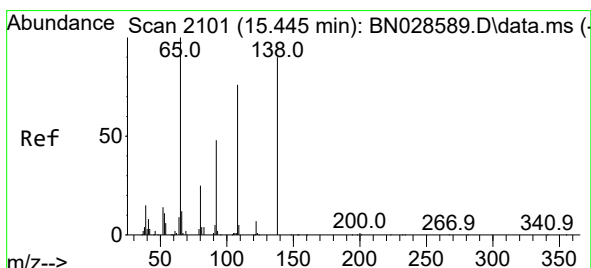
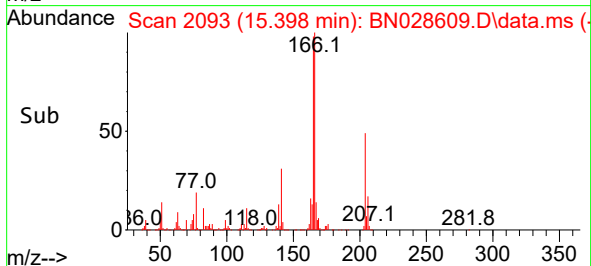
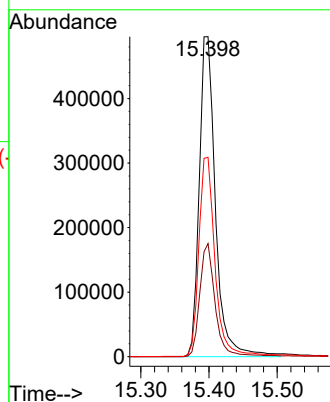
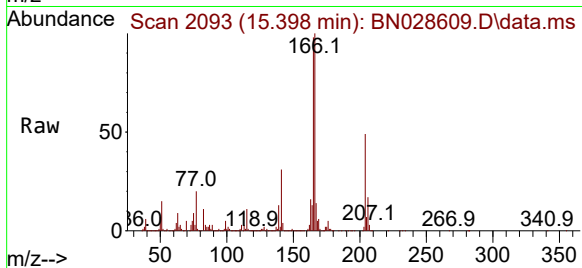




#62
4-Chlorophenyl-phenylether
Concen: 42.814 ng/ul
RT: 15.398 min Scan# 2093
Delta R.T. 0.000 min
Lab File: BN028609.D
Acq: 14 Nov 2023 18:58

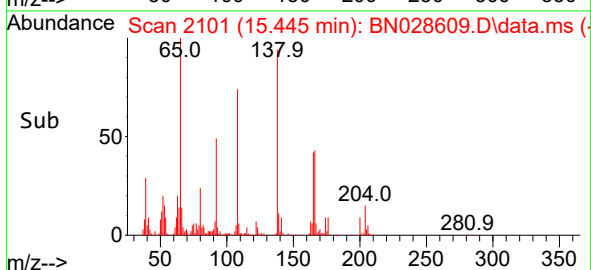
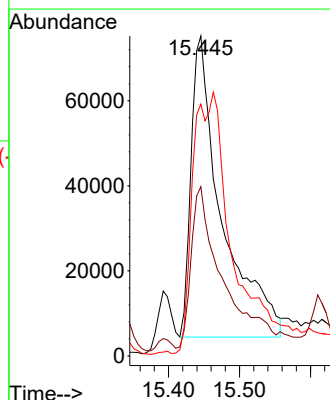
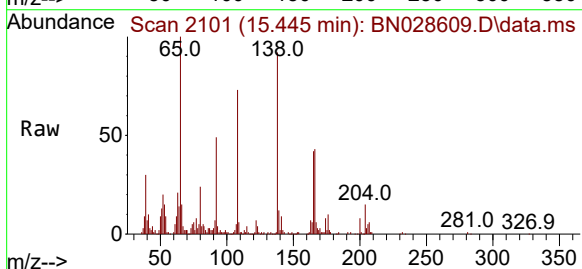
Instrument :
BNA_N
ClientSampleId :

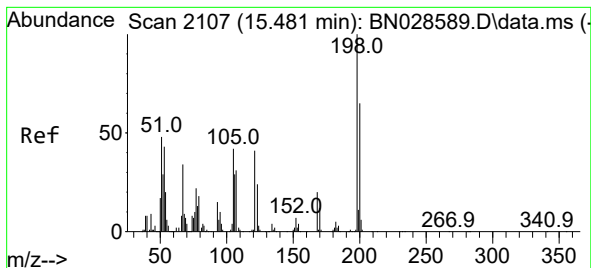
Tgt Ion:204 Resp: 820055
Ion Ratio Lower Upper
204 100
206 35.3 27.0 40.4
141 62.3 50.0 75.0



#63
4-Nitroaniline
Concen: 27.792 ng/ul
RT: 15.445 min Scan# 2101
Delta R.T. 0.000 min
Lab File: BN028609.D
Acq: 14 Nov 2023 18:58

Tgt Ion:138 Resp: 212705
Ion Ratio Lower Upper
138 100
92 52.9 42.0 63.0
108 78.7 65.2 97.8

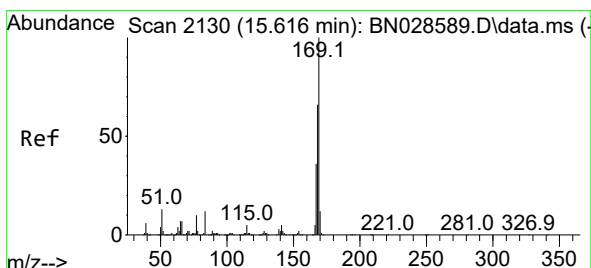
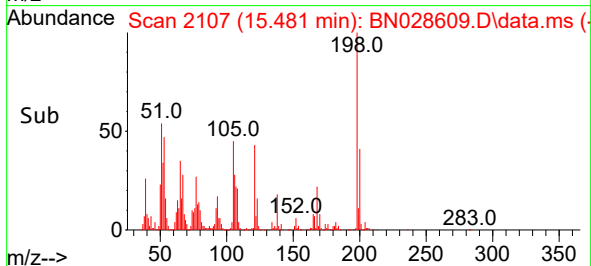
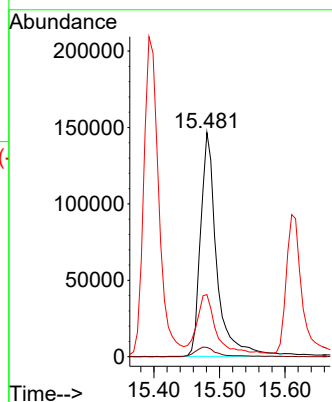
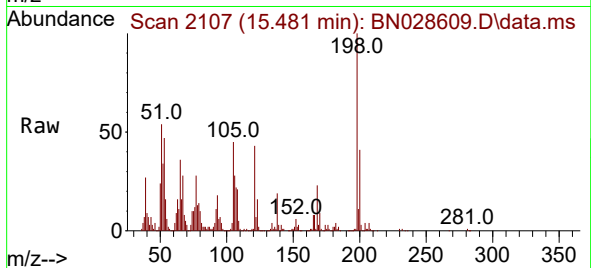




#66
 4,6-Dinitro-2-methylphenol
 Concen: 48.077 ng/ul
 RT: 15.481 min Scan# 2107
 Delta R.T. -0.000 min
 Lab File: BN028609.D
 Acq: 14 Nov 2023 18:58

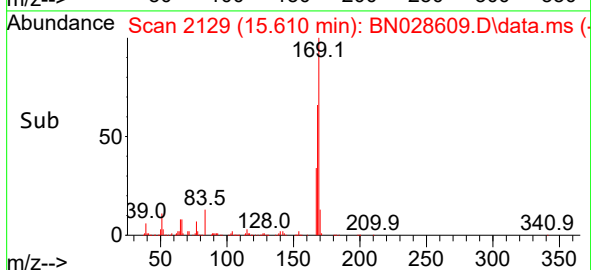
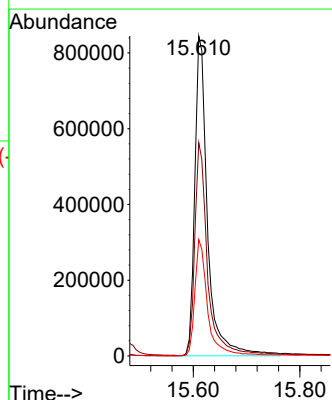
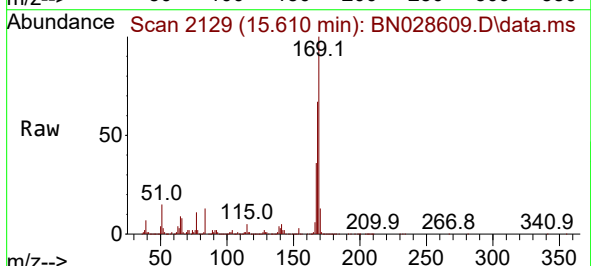
Instrument :
 BNA_N
 ClientSampleId :

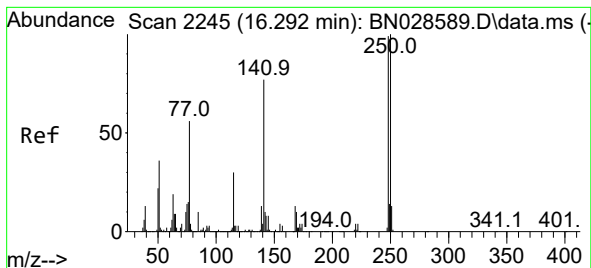
Tgt Ion:198 Resp: 251928
 Ion Ratio Lower Upper
 198 100
 182 4.1 4.3 6.5#
 77 27.7 23.4 35.2



#67
 N-Nitrosodiphenylamine
 Concen: 45.488 ng/ul
 RT: 15.610 min Scan# 2129
 Delta R.T. -0.006 min
 Lab File: BN028609.D
 Acq: 14 Nov 2023 18:58

Tgt Ion:169 Resp: 1415883
 Ion Ratio Lower Upper
 169 100
 168 66.6 53.1 79.7
 167 36.4 28.6 42.8

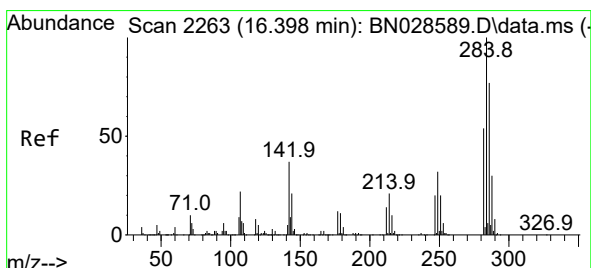
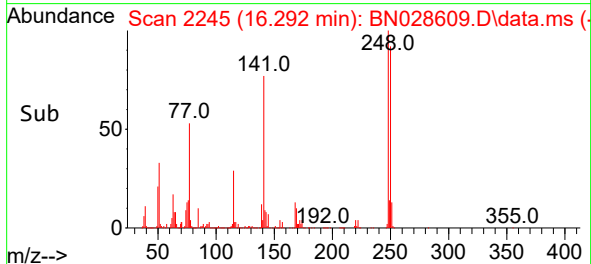
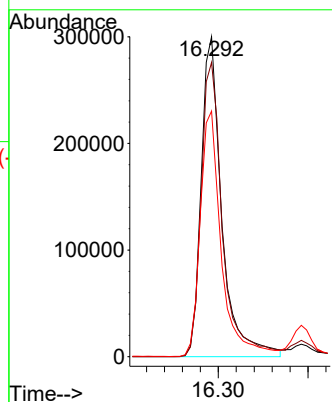
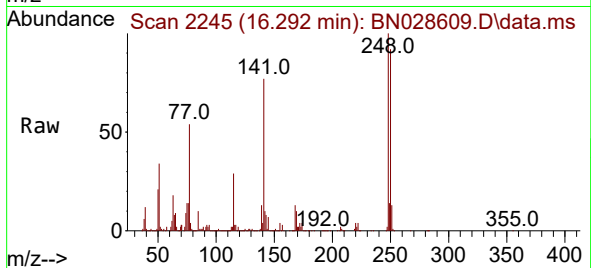




#68
4-Bromophenyl-phenylether
Concen: 44.461 ng/ul
RT: 16.292 min Scan# 2245
Delta R.T. 0.000 min
Lab File: BN028609.D
Acq: 14 Nov 2023 18:58

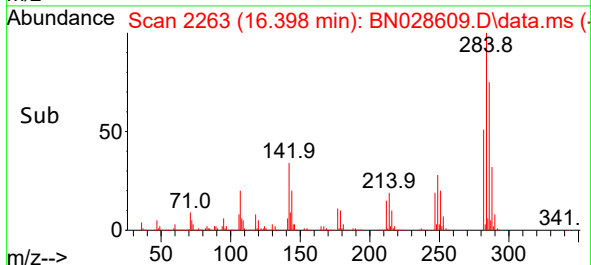
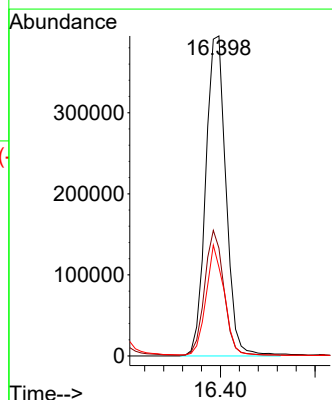
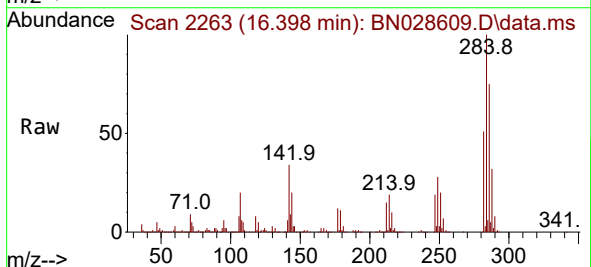
Instrument :
BNA_N
ClientSampleId :

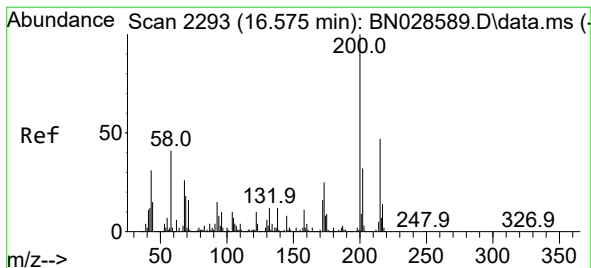
Tgt Ion:248 Resp: 479568
Ion Ratio Lower Upper
248 100
250 92.0 80.7 121.1
141 76.8 62.2 93.4



#69
Hexachlorobenzene
Concen: 46.227 ng/ul
RT: 16.398 min Scan# 2263
Delta R.T. 0.000 min
Lab File: BN028609.D
Acq: 14 Nov 2023 18:58

Tgt Ion:284 Resp: 585576
Ion Ratio Lower Upper
284 100
142 33.7 29.7 44.5
249 27.8 25.6 38.4





#70

Atrazine

Concen: 48.310 ng/ul

RT: 16.569 min Scan# 21

Delta R.T. -0.006 min

Lab File: BN028609.D

Acq: 14 Nov 2023 18:58

Instrument :

BNA_N

ClientSampleId :

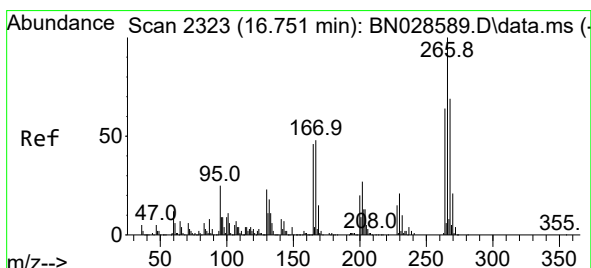
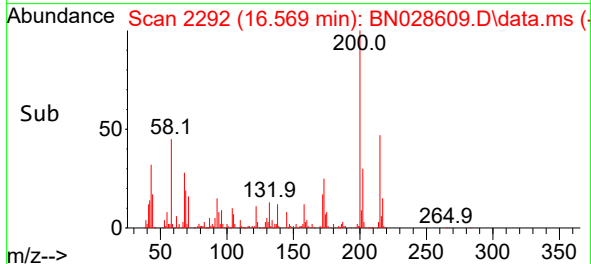
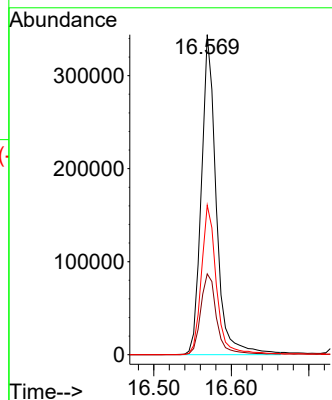
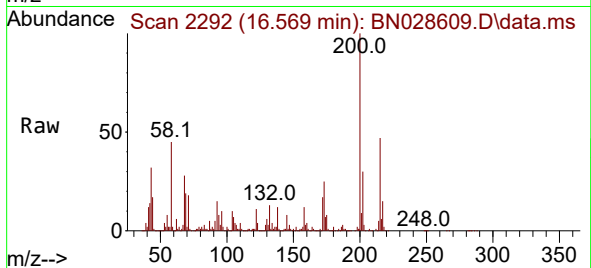
Tgt Ion:200 Resp: 460551

Ion Ratio Lower Upper

200 100

173 25.3 20.0 30.0

215 46.7 37.6 56.4



#71

Pentachlorophenol

Concen: 49.196 ng/ul

RT: 16.745 min Scan# 2322

Delta R.T. -0.006 min

Lab File: BN028609.D

Acq: 14 Nov 2023 18:58

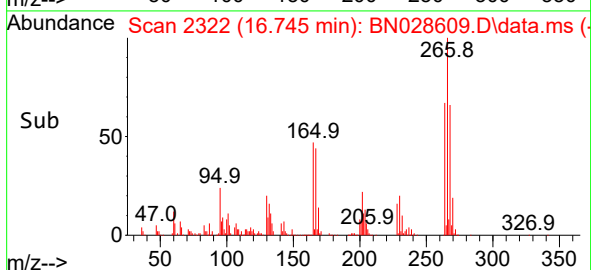
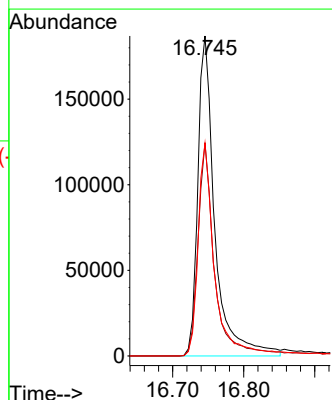
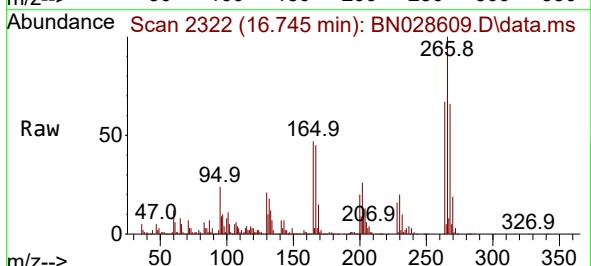
Tgt Ion:266 Resp: 312571

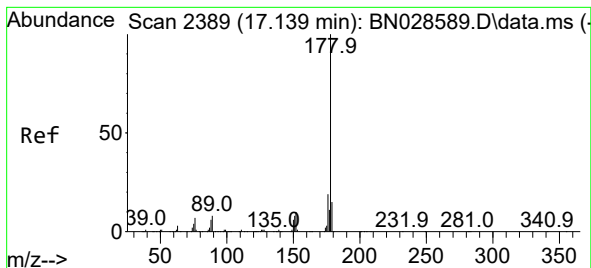
Ion Ratio Lower Upper

266 100

264 66.6 50.9 76.3

268 66.5 55.3 82.9





#72

Phenanthrene

Concen: 45.618 ng/ul

RT: 17.134 min Scan# 21

Delta R.T. -0.005 min

Lab File: BN028609.D

Acq: 14 Nov 2023 18:58

Instrument :

BNA_N

ClientSampleId :

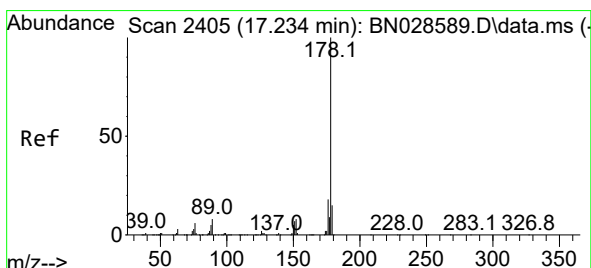
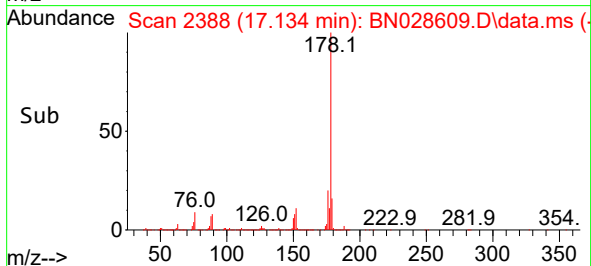
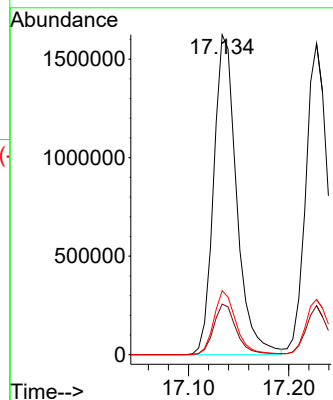
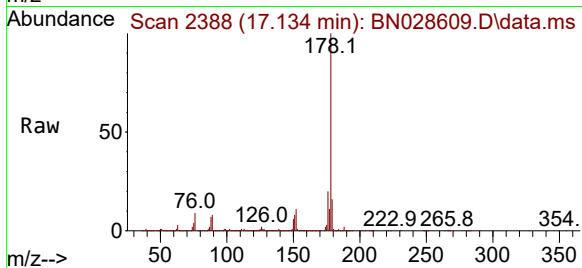
Tgt Ion:178 Resp: 2581170

Ion Ratio Lower Upper

178 100

179 15.8 12.1 18.1

176 20.0 15.4 23.2



#74

Anthracene

Concen: 43.656 ng/ul

RT: 17.228 min Scan# 2404

Delta R.T. -0.006 min

Lab File: BN028609.D

Acq: 14 Nov 2023 18:58

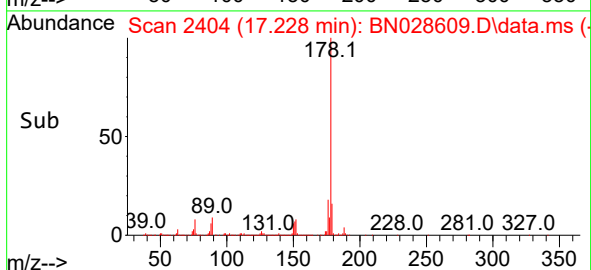
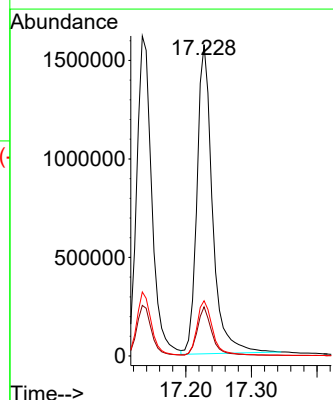
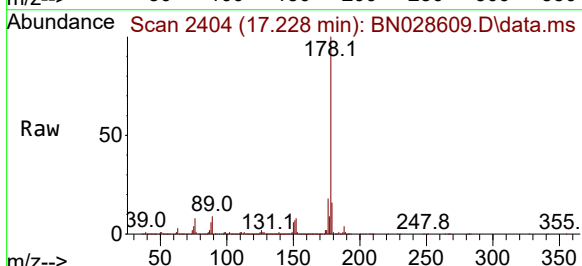
Tgt Ion:178 Resp: 2579944

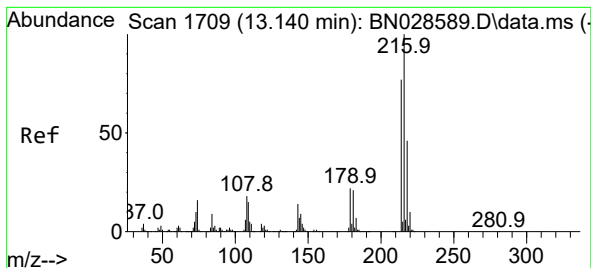
Ion Ratio Lower Upper

178 100

179 15.8 12.0 18.0

176 17.7 14.3 21.5





#75

1,2,3,4-Tetrachlorobenzene

Concen: 45.974 ng/uL

RT: 13.140 min Scan# 1709

Delta R.T. -0.000 min

Lab File: BN028609.D

Acq: 14 Nov 2023 18:58

Instrument :

BNA_N

ClientSampleId :

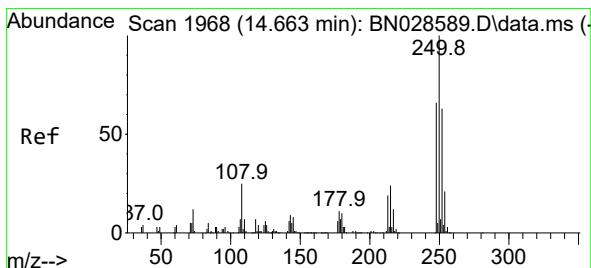
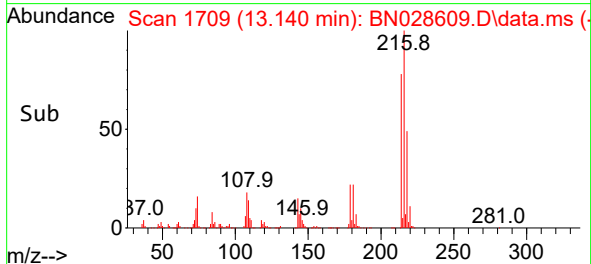
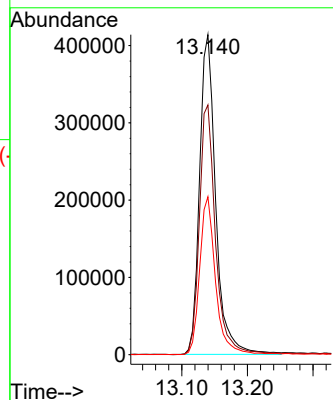
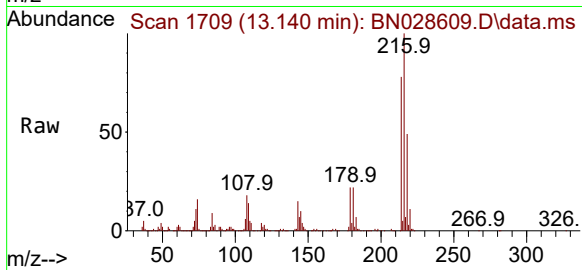
Tgt Ion:216 Resp: 710258

Ion Ratio Lower Upper

216 100

214 78.1 61.4 92.2

218 49.4 37.0 55.6



#76

Pentachlorobenzene

Concen: 46.301 ng/uL

RT: 14.663 min Scan# 1968

Delta R.T. 0.000 min

Lab File: BN028609.D

Acq: 14 Nov 2023 18:58

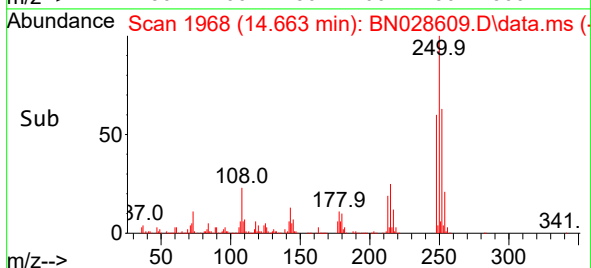
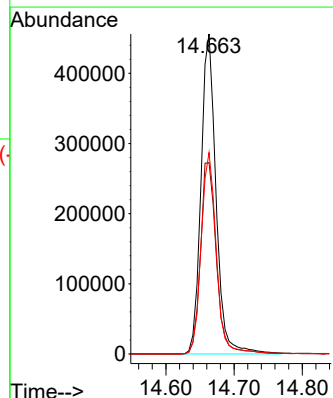
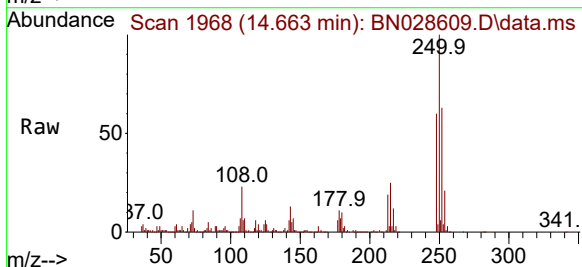
Tgt Ion:250 Resp: 700966

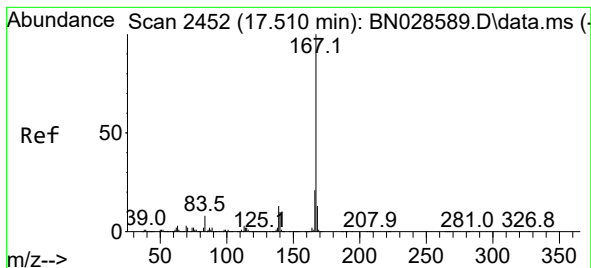
Ion Ratio Lower Upper

250 100

248 59.8 53.0 79.4

252 62.9 50.4 75.6





#77

Carbazole

Concen: 45.347 ng/ul

RT: 17.504 min Scan# 2451

Delta R.T. -0.006 min

Lab File: BN028609.D

Acq: 14 Nov 2023 18:58

Instrument :

BNA_N

ClientSampleId :

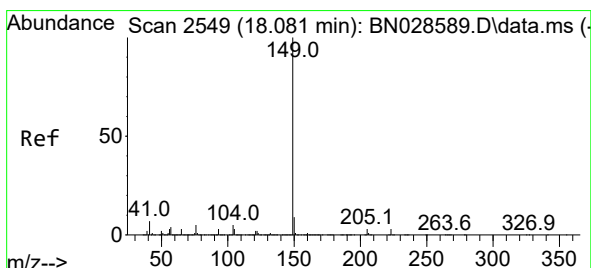
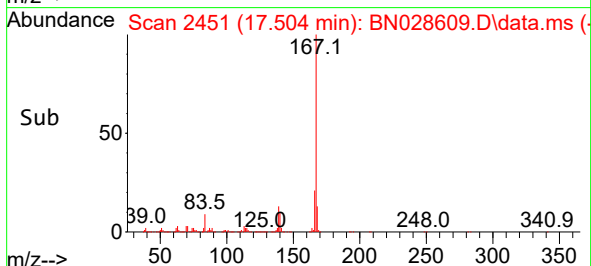
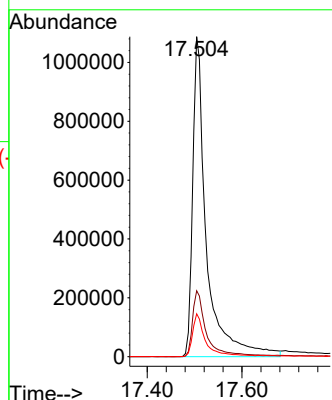
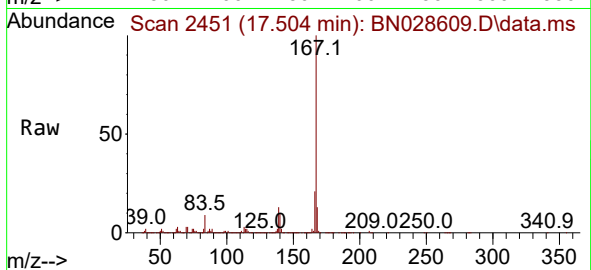
Tgt Ion:167 Resp: 2195304

Ion Ratio Lower Upper

167 100

166 20.6 16.9 25.3

139 13.4 10.2 15.4



#78

Di-n-butylphthalate

Concen: 45.780 ng/ul

RT: 18.081 min Scan# 2549

Delta R.T. -0.000 min

Lab File: BN028609.D

Acq: 14 Nov 2023 18:58

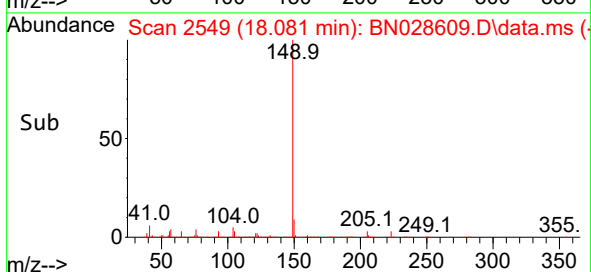
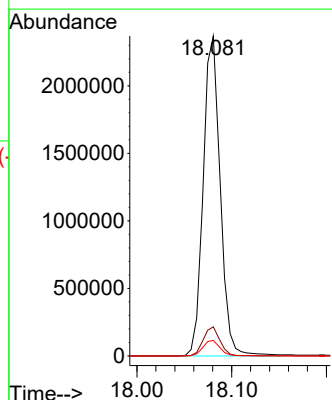
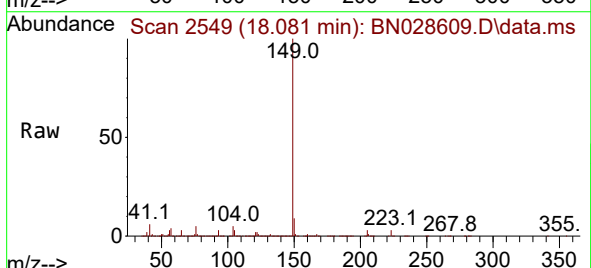
Tgt Ion:149 Resp: 2960820

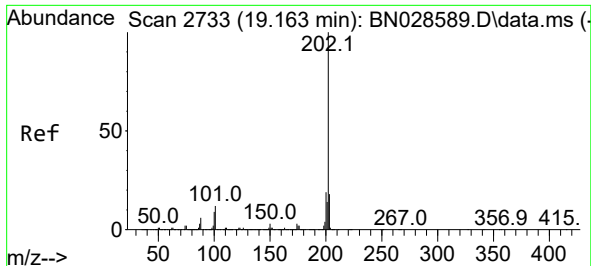
Ion Ratio Lower Upper

149 100

150 9.1 7.3 10.9

104 4.9 3.9 5.9

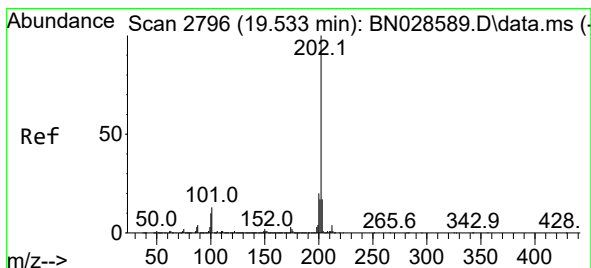
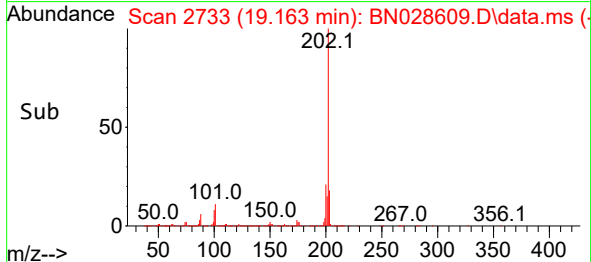
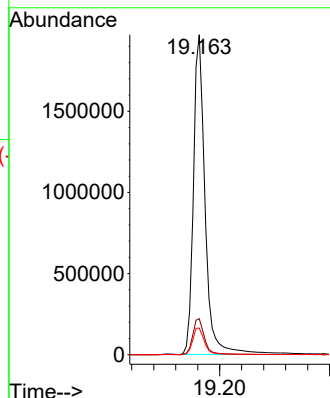
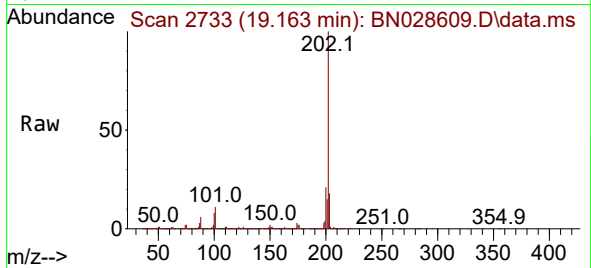




#80
Fluoranthene
Concen: 45.436 ng/ul
RT: 19.163 min Scan# 2733
Delta R.T. -0.000 min
Lab File: BN028609.D
Acq: 14 Nov 2023 18:58

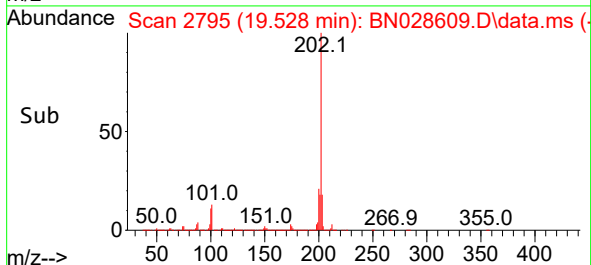
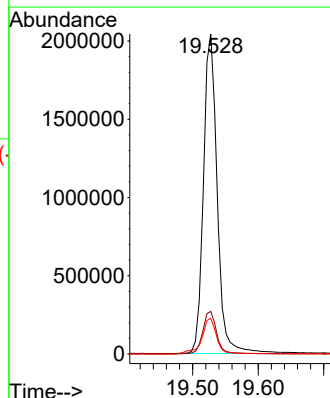
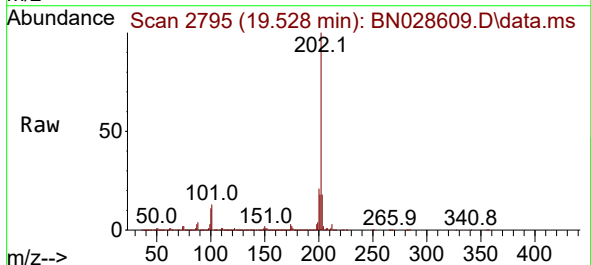
Instrument :
BNA_N
ClientSampleId :

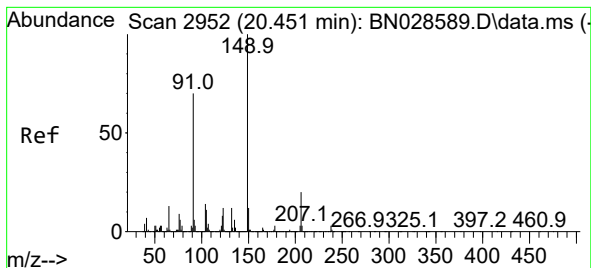
Tgt Ion:202 Resp: 2904184
Ion Ratio Lower Upper
202 100
101 11.3 9.4 14.0
100 8.3 7.1 10.7



#82
Pyrene
Concen: 45.279 ng/ul
RT: 19.528 min Scan# 2795
Delta R.T. -0.005 min
Lab File: BN028609.D
Acq: 14 Nov 2023 18:58

Tgt Ion:202 Resp: 2984983
Ion Ratio Lower Upper
202 100
101 13.3 10.4 15.6
100 11.1 8.2 12.2





#83

Butylbenzylphthalate

Concen: 45.215 ng/ul

RT: 20.451 min Scan# 2952

Delta R.T. 0.000 min

Lab File: BN028609.D

Acq: 14 Nov 2023 18:58

Instrument :

BNA_N

ClientSampleId :

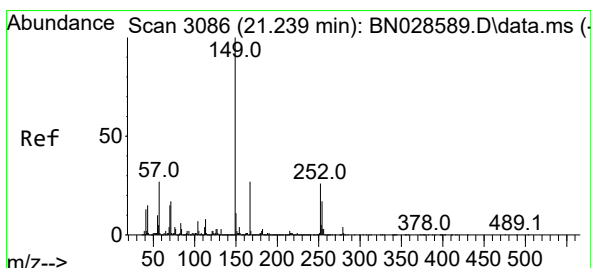
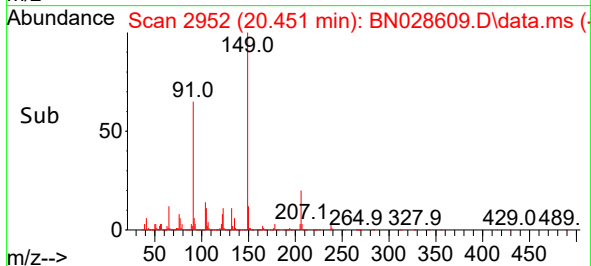
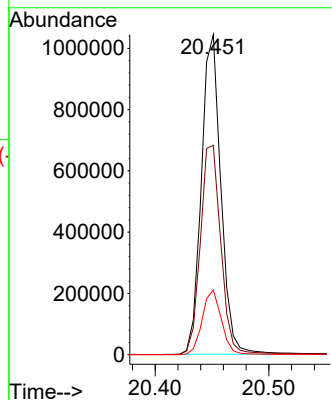
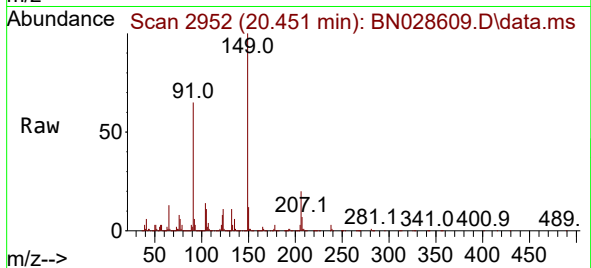
Tgt Ion:149 Resp: 1244726

Ion Ratio Lower Upper

149 100

91 65.4 55.9 83.9

206 20.3 15.9 23.9



#84

3,3'-Dichlorobenzidine

Concen: 44.586 ng/ul

RT: 21.233 min Scan# 3085

Delta R.T. -0.006 min

Lab File: BN028609.D

Acq: 14 Nov 2023 18:58

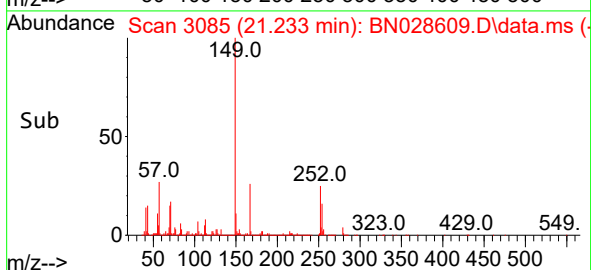
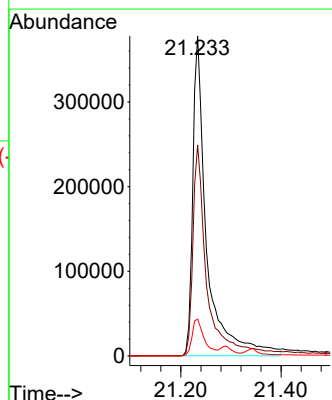
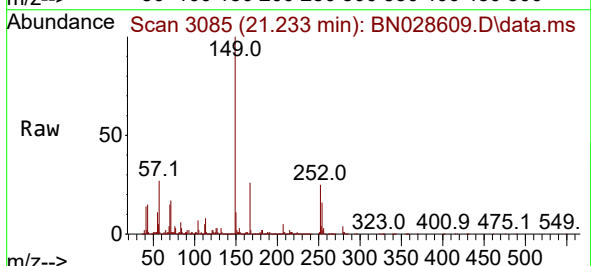
Tgt Ion:252 Resp: 731447

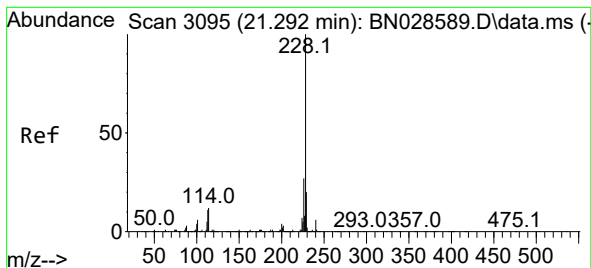
Ion Ratio Lower Upper

252 100

254 65.9 51.8 77.8

126 11.5 10.1 15.1





#85

Benzo(a)anthracene

Concen: 45.401 ng/ul

RT: 21.292 min Scan# 3095

Delta R.T. 0.000 min

Lab File: BN028609.D

Acq: 14 Nov 2023 18:58

Instrument :

BNA_N

ClientSampleId :

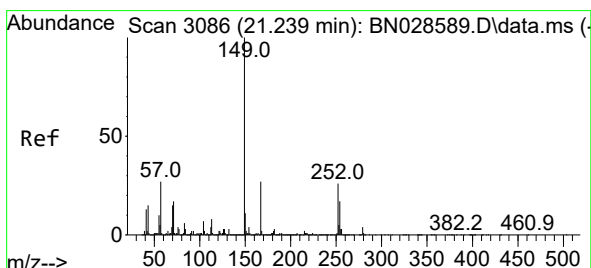
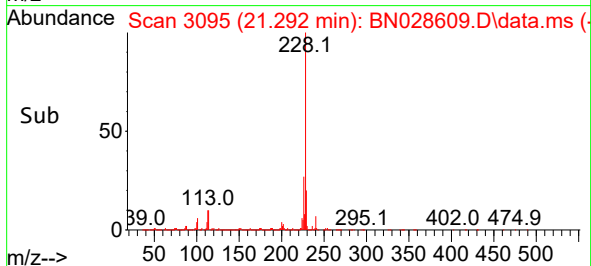
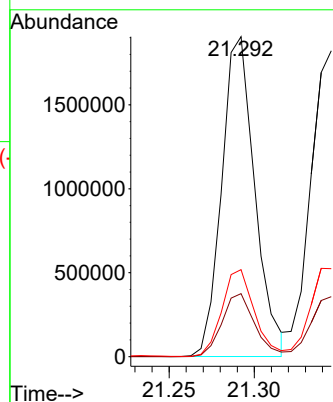
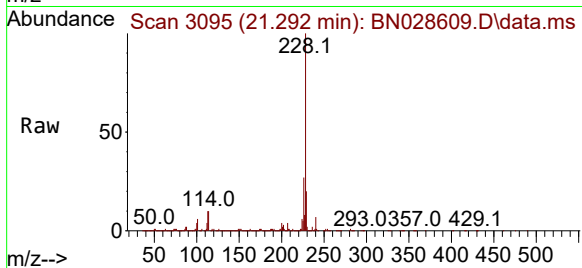
Tgt Ion:228 Resp: 2578025

Ion Ratio Lower Upper

228 100

229 19.7 15.7 23.5

226 27.2 21.8 32.6



#86

Bis(2-ethylhexyl)phthalate

Concen: 47.267 ng/ul

RT: 21.239 min Scan# 3086

Delta R.T. 0.000 min

Lab File: BN028609.D

Acq: 14 Nov 2023 18:58

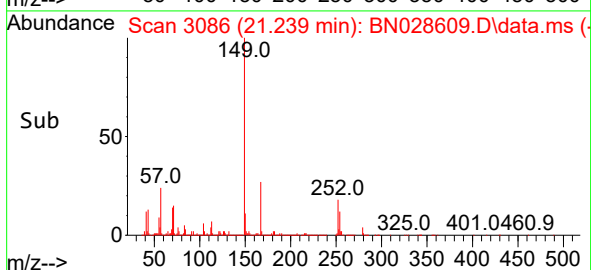
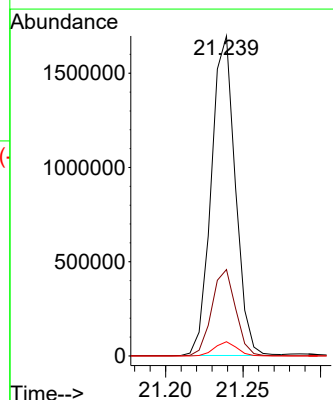
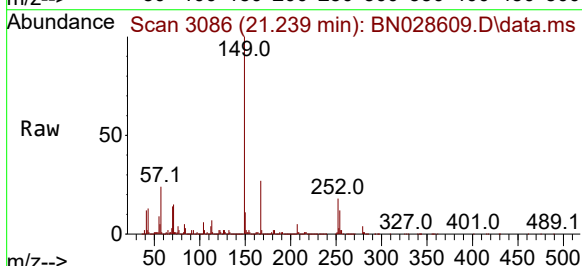
Tgt Ion:149 Resp: 1829291

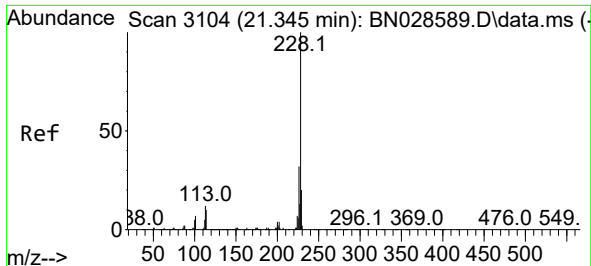
Ion Ratio Lower Upper

149 100

167 27.0 21.8 32.8

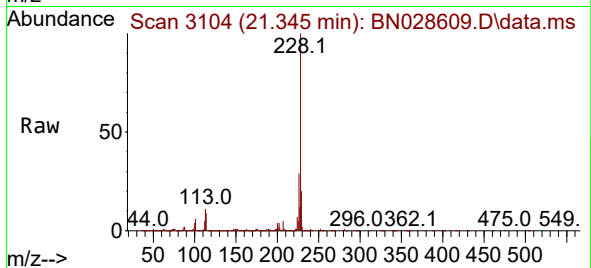
279 4.4 3.0 4.4#



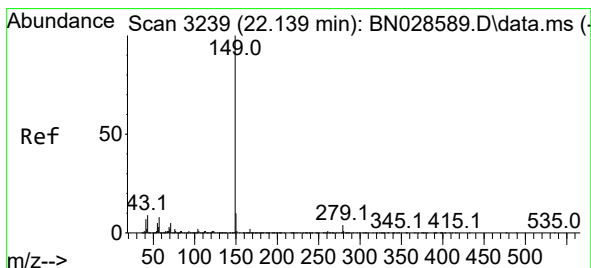
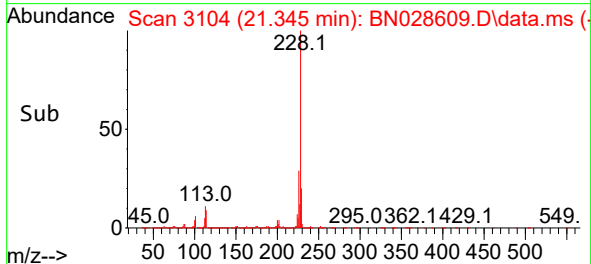
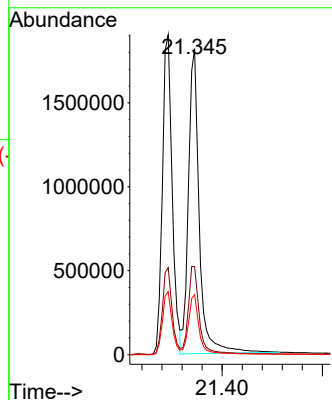


#87
Chrysene
Concen: 46.718 ng/ul
RT: 21.345 min Scan# 3104
Delta R.T. 0.000 min
Lab File: BN028609.D
Acq: 14 Nov 2023 18:58

Instrument :
BNA_N
ClientSampleId :

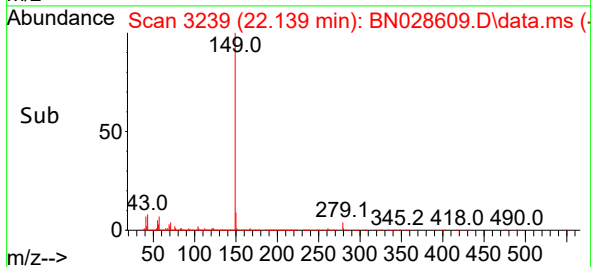
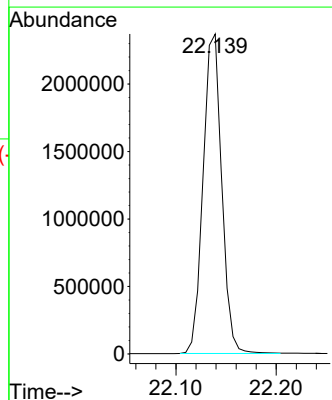
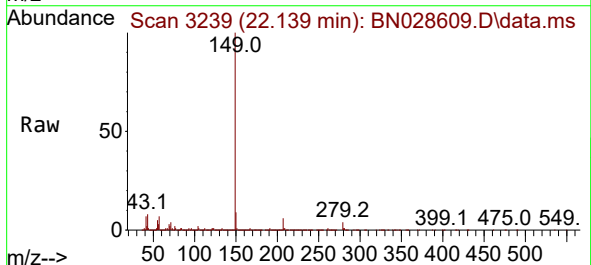


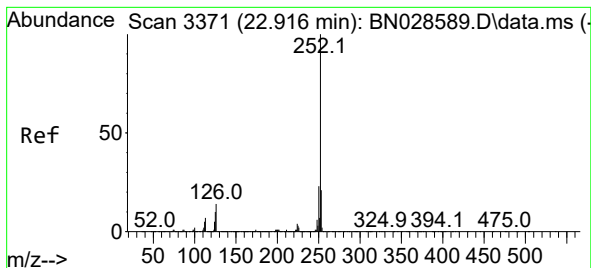
Tgt Ion:228 Resp: 2744000
Ion Ratio Lower Upper
228 100
226 28.8 25.1 37.7
229 19.6 16.1 24.1



#89
Di-n-octyl phthalate
Concen: 51.018 ng/ul
RT: 22.139 min Scan# 3239
Delta R.T. 0.000 min
Lab File: BN028609.D
Acq: 14 Nov 2023 18:58

Tgt Ion:149 Resp: 3060191





#90

Benzo(b)fluoranthene

Concen: 49.970 ng/ul

RT: 22.910 min Scan# 3371

Delta R.T. -0.006 min

Lab File: BN028609.D

Acq: 14 Nov 2023 18:58

Instrument :

BNA_N

ClientSampleId :

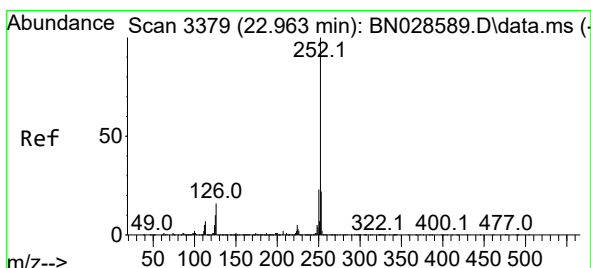
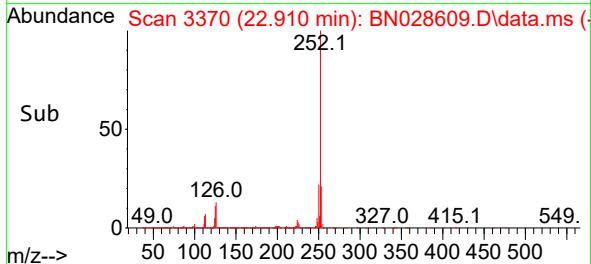
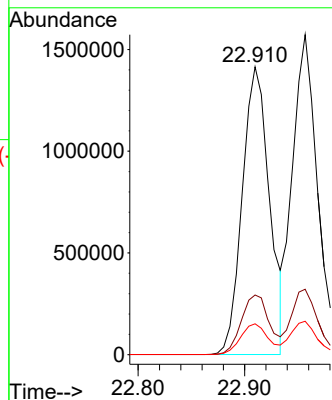
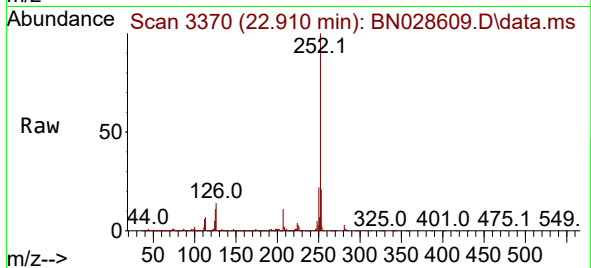
Tgt Ion:252 Resp: 2511966

Ion Ratio Lower Upper

252 100

253 20.8 17.0 25.6

125 10.7 8.6 12.8



#91

Benzo(k)fluoranthene

Concen: 48.608 ng/ul

RT: 22.957 min Scan# 3378

Delta R.T. -0.006 min

Lab File: BN028609.D

Acq: 14 Nov 2023 18:58

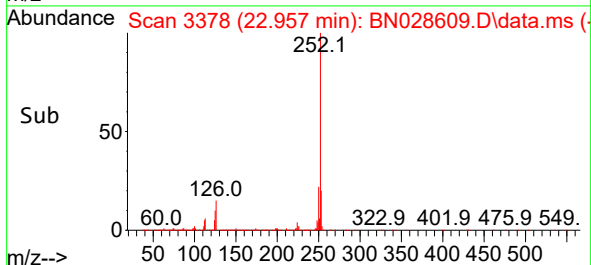
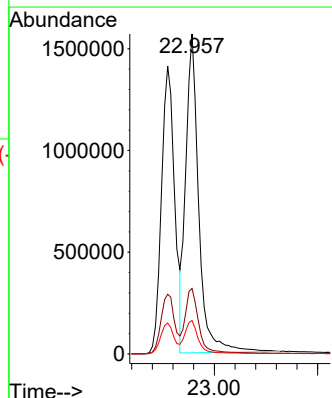
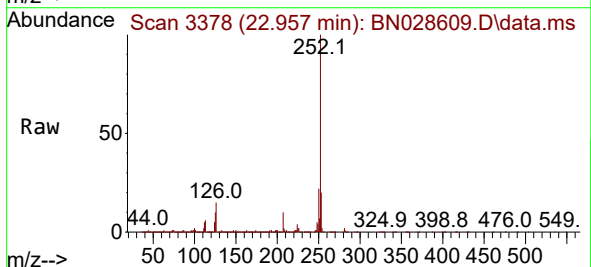
Tgt Ion:252 Resp: 2741237

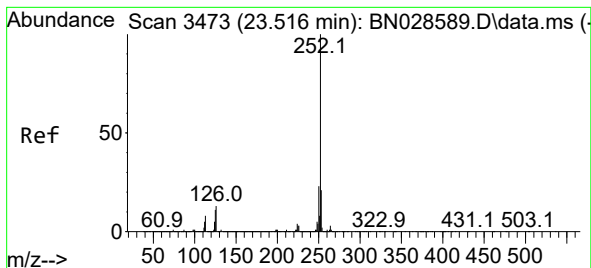
Ion Ratio Lower Upper

252 100

253 20.5 17.4 26.2

125 10.5 8.6 13.0





#93

Benzo(a)pyrene

Concen: 47.602 ng/ul

RT: 23.504 min Scan# 34

Delta R.T. -0.012 min

Lab File: BN028609.D

Acq: 14 Nov 2023 18:58

Instrument :

BNA_N

ClientSampleId :

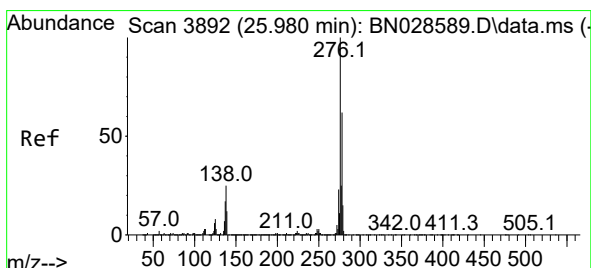
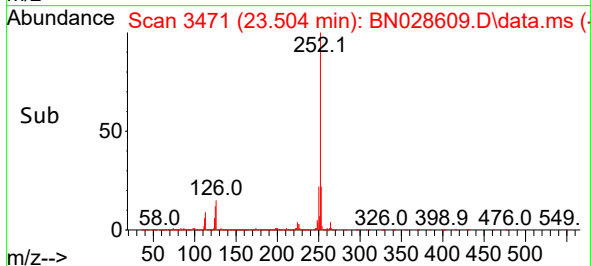
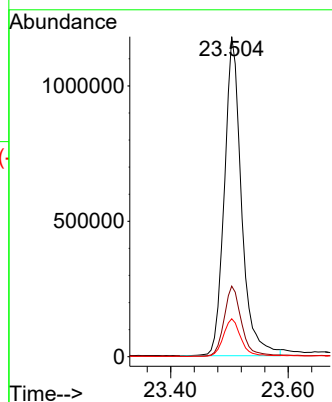
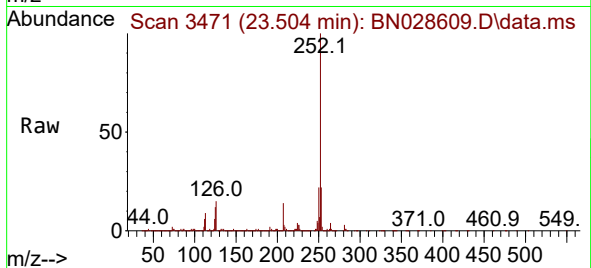
Tgt Ion:252 Resp: 2381148

Ion Ratio Lower Upper

252 100

253 22.0 17.2 25.8

125 11.9 9.2 13.8



#94

Indeno(1,2,3-cd)pyrene

Concen: 48.686 ng/ul

RT: 25.974 min Scan# 3891

Delta R.T. -0.006 min

Lab File: BN028609.D

Acq: 14 Nov 2023 18:58

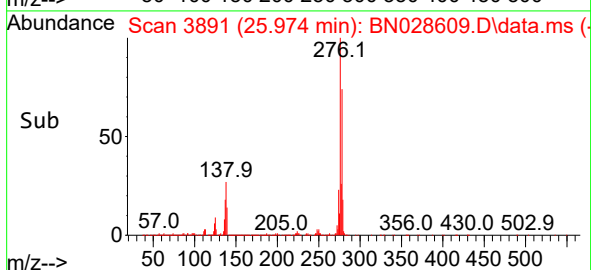
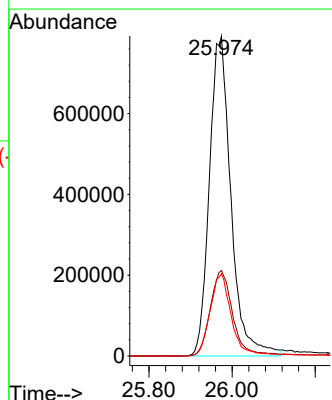
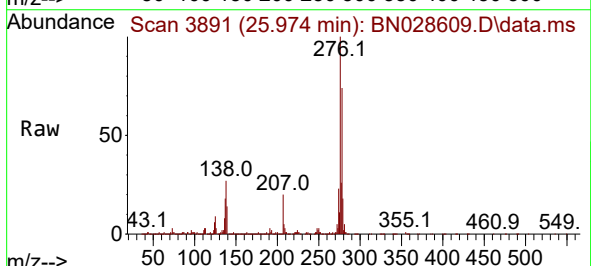
Tgt Ion:276 Resp: 2846212

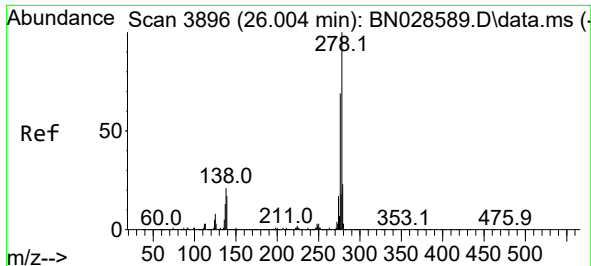
Ion Ratio Lower Upper

276 100

138 26.7 20.4 30.6

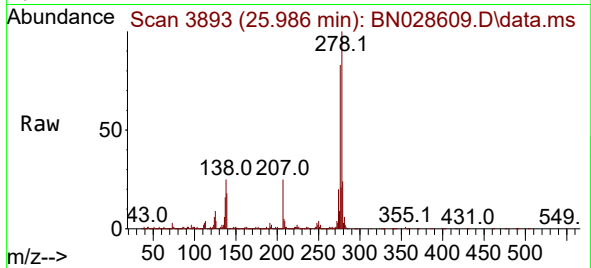
277 25.7 20.1 30.1



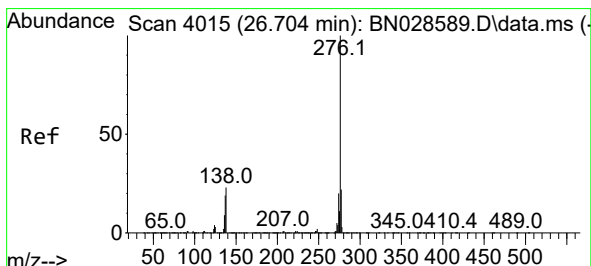
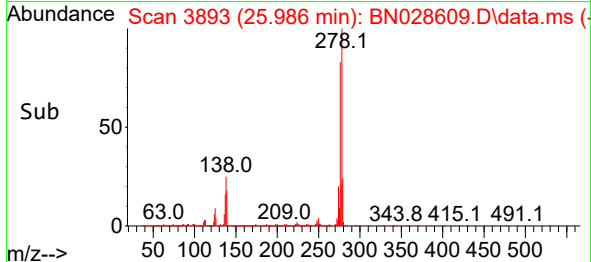
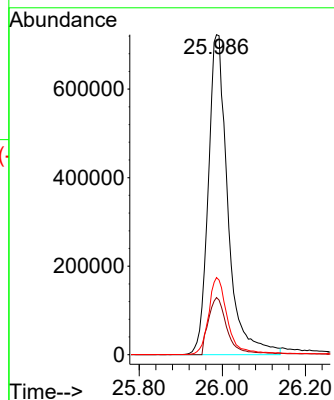


#95
Dibenzo(a,h)anthracene
Concen: 49.117 ng/ul
RT: 25.986 min Scan# 3893
Delta R.T. -0.018 min
Lab File: BN028609.D
Acq: 14 Nov 2023 18:58

Instrument :
BNA_N
ClientSampleId :



Tgt Ion:278 Resp: 2367184
Ion Ratio Lower Upper
278 100
139 17.9 13.4 20.2
279 24.1 18.2 27.4



#96
Benzo(g,h,i)perylene
Concen: 49.736 ng/ul
RT: 26.686 min Scan# 4012
Delta R.T. -0.018 min
Lab File: BN028609.D
Acq: 14 Nov 2023 18:58

Tgt Ion:276 Resp: 2294293
Ion Ratio Lower Upper
276 100
138 25.5 18.5 27.7
277 24.1 17.3 25.9

