

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122923\
 Data File : BM043671.D
 Acq On : 29 Dec 2023 11:58
 Operator : MA/JU
 Sample : 05920-05MSD
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 GCF56MSD

Quant Time: Dec 29 22:35:12 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM121523.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Dec 29 22:31:57 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.957	152	192622	20.000	ng/u1	0.00
20) Naphthalene-d8	10.769	136	833680	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.592	164	465749	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.345	188	914172	20.000	ng/u1	0.00
79) Chrysene-d12	21.521	240	755006	20.000	ng/u1	0.00
88) Perylene-d12	23.939	264	845456	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.369	96	17888	3.018	ng/uL	0.00
4) Pyridine-d5	3.810	84	75981	4.454	ng/u1	0.02
7) Phenol-d5	7.122	99	200236	9.138	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.298	67	246889	17.791	ng/u1	0.00
11) 2-Chlorophenol-d4	7.487	132	245027	14.645	ng/u1	0.00
15) 4-Methylphenol-d8	8.669	113	237319	13.957	ng/u1	0.00
21) Nitrobenzene-d5	9.134	128	146747	18.193	ng/u1	0.00
24) 2-Nitrophenol-d4	9.851	143	156234	18.746	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.387	165	178419	12.127	ng/u1	0.00
31) 4-Chloroaniline-d4	10.922	131	51700	2.389	ng/u1	0.01
46) Dimethylphthalate-d6	14.016	166	741910	17.695	ng/u1	0.00
49) Acenaphthylene-d8	14.286	160	463467	9.318	ng/u1	0.00
54) 4-Nitrophenol-d4	14.798	143	135003	17.013	ng/u1	0.00
60) Fluorene-d10	15.586	176	639883	18.456	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.710	200	105622	17.470	ng/u1	0.00
73) Anthracene-d10	17.439	188	528216	10.303	ng/u1	0.00
81) Pyrene-d10	19.727	212	109598	1.839	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.780	264	48260	0.925	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.405	88	43265	6.607	ng/uL#	94
5) Pyridine	3.828	79	47021	2.666	ng/u1#	75
6) Benzaldehyde	7.104	77	296147	28.504	ng/u1	99
8) Phenol	7.146	94	309635	14.363	ng/u1	99
10) Bis(2-Chloroethyl)ether	7.393	93	342578	19.575	ng/u1	99
12) 2-Chlorophenol	7.516	128	268030	15.727	ng/u1	97
13) 2-Methylphenol	8.404	108	248416	15.176	ng/u1	97
14) 2,2'-oxybis(1-Chloropr...	8.487	45	601606	20.470	ng/u1	98
16) Acetophenone	8.793	105	988477	37.970	ng/u1	99
17) N-Nitroso-di-n-propyla...	8.775	70	282529	18.183	ng/u1	95
18) 4-Methylphenol	8.734	108	289808	16.336	ng/u1	100
19) Hexachloroethane	9.034	117	11028	1.535	ng/u1#	86
22) Nitrobenzene	9.175	77	410000	20.539	ng/u1	98
23) Isophorone	9.698	82	759429	18.755	ng/u1	99
25) 2-Nitrophenol	9.881	139	182907	20.650	ng/u1	96
26) 2,4-Dimethylphenol	9.939	107	114260	7.241	ng/u1	98
27) Bis(2-Chloroethoxy)met...	10.187	93	457234	19.123	ng/u1	99
29) 2,4-Dichlorophenol	10.410	162	180524	12.644	ng/u1	97
30) Naphthalene	10.816	128	655395	12.335	ng/u1	99
32) 4-Chloroaniline	10.945	127	63776	3.064	ng/u1	100
33) Hexachlorobutadiene	11.086	225	117800	16.182	ng/u1	99
34) Caprolactam	11.722	113	98863	21.668	ng/u1	98
35) 4-Chloro-3-methylphenol	12.051	107	91163	5.436	ng/u1	97
36) 2-Methylnaphthalene	12.422	142	625458	17.293	ng/u1	99

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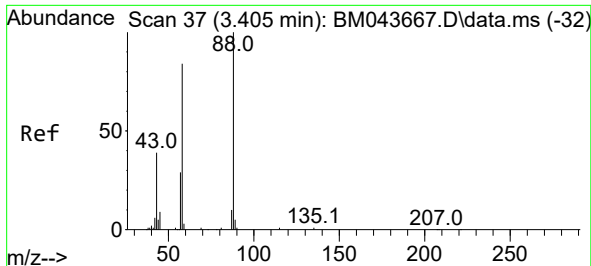
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.639	142	565279	15.496	ng/ul	99
39) 1,2,4,5-Tetrachloroben...	12.786	216	71038	5.006	ng/ul	98
40) Hexachlorocyclopentadiene	12.757	237	119768	13.451	ng/ul	97
41) 2,4,6-Trichlorophenol	13.033	196	171790	17.031	ng/ul	98
42) 2,4,5-Trichlorophenol	13.104	196	101165	9.445	ng/ul	99
43) 1,1'-Biphenyl	13.433	154	863563	19.451	ng/ul	100
44) 2-Chloronaphthalene	13.475	162	333687	9.803	ng/ul	99
45) 2-Nitroaniline	13.686	65	239752	21.005	ng/ul	97
47) Dimethylphthalate	14.063	163	836201	20.195	ng/ul	99
48) 2,6-Dinitrotoluene	14.186	165	165067	20.620	ng/ul	95
50) Acenaphthylene	14.316	152	515945	9.033	ng/ul	99
51) 3-Nitroaniline	14.516	138	62481	6.799	ng/ul	99
52) Acenaphthene	14.657	153	442029	11.743	ng/ul	100
53) 2,4-Dinitrophenol	14.716	184	83645	19.628	ng/ul	93
55) 4-Nitrophenol	14.810	109	131064	21.270	ng/ul	95
56) Dibenzofuran	14.992	168	850926	17.503	ng/ul	99
57) 2,4-Dinitrotoluene	14.969	165	243758	21.553	ng/ul	97
58) 2,3,4,6-Tetrachlorophenol	15.216	232	177208	21.595	ng/ul#	97
59) Diethylphthalate	15.421	149	903720	21.298	ng/ul	99
61) Fluorene	15.645	166	838384	20.186	ng/ul	98
62) 4-Chlorophenyl-phenyle...	15.639	204	360247	19.719	ng/ul	97
63) 4-Nitroaniline	15.674	138	108536	12.903	ng/ul	97
66) 4,6-Dinitro-2-methylph...	15.727	198	124966	19.359	ng/ul	99
67) N-Nitrosodiphenylamine	15.857	169	675403	19.235	ng/ul	99
68) 4-Bromophenyl-phenylether	16.533	248	210884	19.471	ng/ul	94
69) Hexachlorobenzene	16.633	284	19006	1.532	ng/ul#	82
70) Atrazine	16.816	200	212948	27.668	ng/ul	99
71) Pentachlorophenol	16.992	266	2747789	366.310	ng/ul	99
72) Phenanthrene	17.386	178	719200	11.608	ng/ul	99
74) Anthracene	17.474	178	689060	11.020	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.392	216	52642	3.506	ng/uL	96
76) Pentachlorobenzene	14.904	250	40182	2.749	ng/uL	97
77) Carbazole	17.751	167	173010	3.242	ng/ul#	94
78) Di-n-butylphthalate	18.321	149	1722895	24.694	ng/ul	100
80) Fluoranthene	19.398	202	714199	9.675	ng/ul	99
82) Pyrene	19.756	202	129507	1.707	ng/ul	95
83) Butylbenzylphthalate	20.668	149	797377	24.304	ng/ul	99
85) Benzo(a)anthracene	21.509	228	778246	12.327	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.445	149	1216071	26.035	ng/ul	100
87) Chrysene	21.556	228	540580	9.518	ng/ul	99
89) Di-n-octyl phthalate	22.386	149	2058068	25.447	ng/ul	100
90) Benzo(b)fluoranthene	23.197	252	510964	7.887	ng/ul	98
91) Benzo(k)fluoranthene	23.244	252	625857	9.904	ng/ul	98
94) Indeno(1,2,3-cd)pyrene	26.480	276	255973	3.627	ng/ul#	62
95) Dibenzo(a,h)anthracene	26.485	278	779485	13.337	ng/ul	98

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

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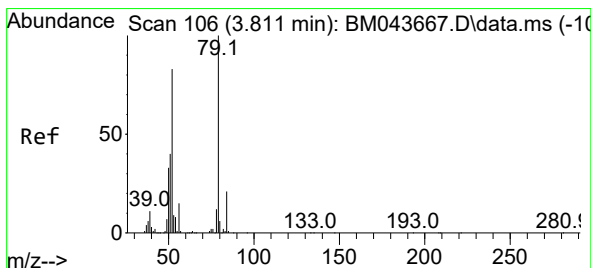
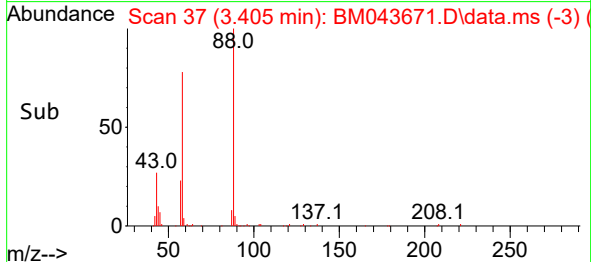
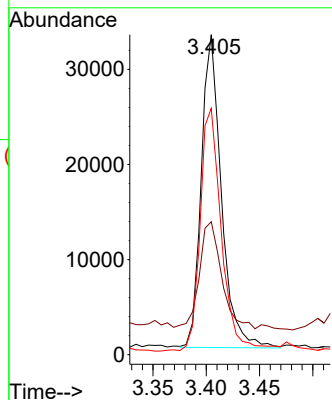
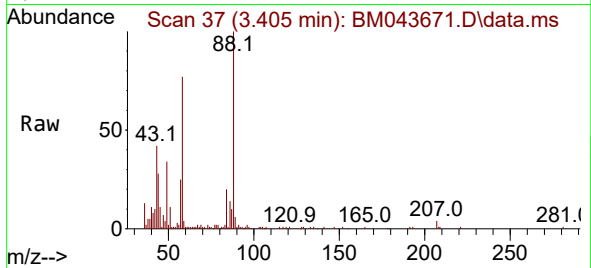




#2
1,4-Dioxane
Concen: 6.607 ng/uL
RT: 3.405 min Scan# 31
Delta R.T. -0.000 min
Lab File: BM043671.D
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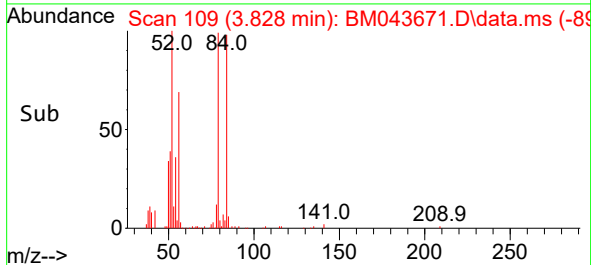
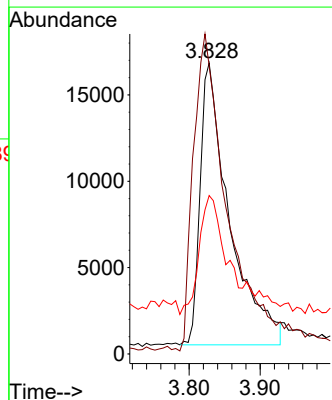
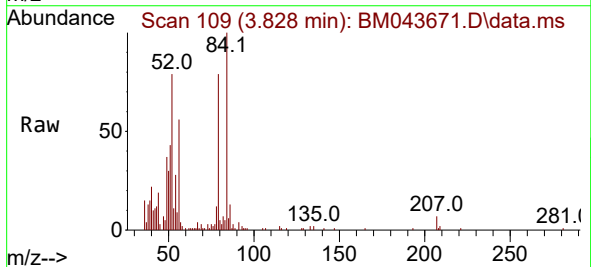
Instrument :
BNA_P
ClientSampleId :
GCF56MSD

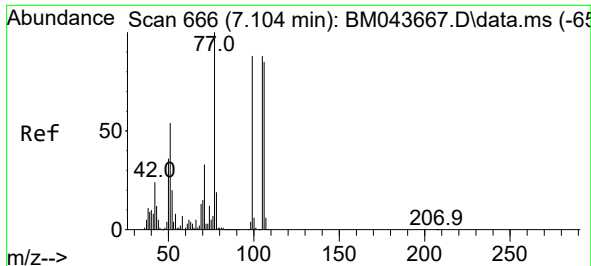
Tgt Ion: 88 Resp: 43265
Ion Ratio Lower Upper
88 100
43 41.6 26.3 39.5#
58 77.0 63.1 94.7



#5
Pyridine
Concen: 2.666 ng/uL
RT: 3.828 min Scan# 109
Delta R.T. 0.018 min
Lab File: BM043671.D
Acq: 29 Dec 2023 11:58

Tgt Ion: 79 Resp: 47021
Ion Ratio Lower Upper
79 100
52 99.0 62.4 93.6#
51 54.5 30.6 45.8#

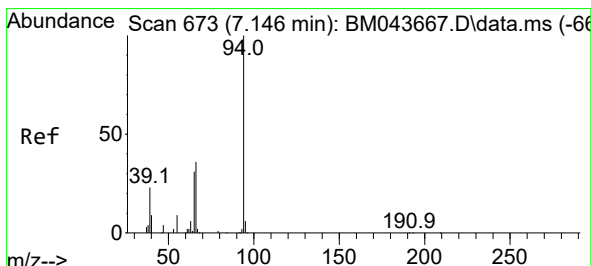
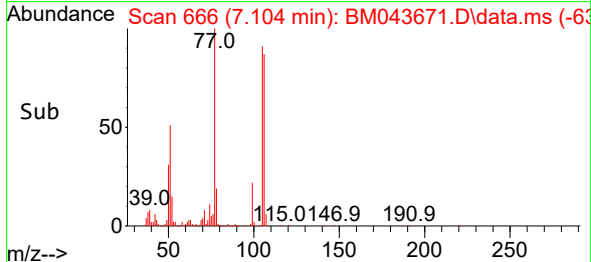
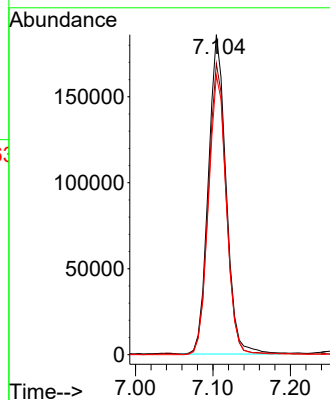
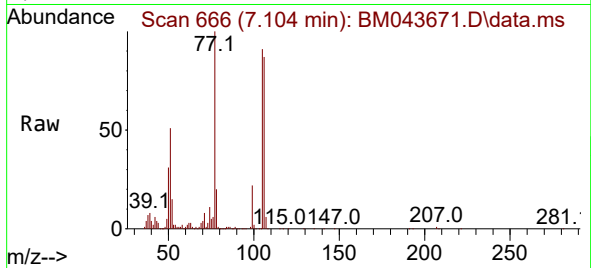




#6
Benzaldehyde
Concen: 28.504 ng/ul
RT: 7.104 min Scan# 666
Delta R.T. -0.000 min
Lab File: BM043671.D
Acq: 29 Dec 2023 11:58

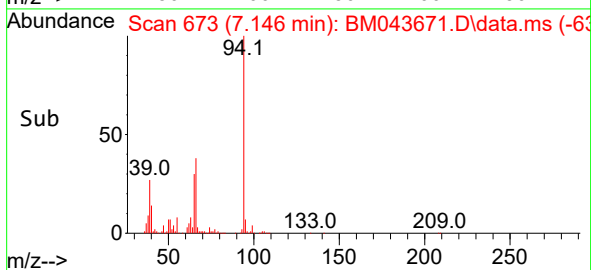
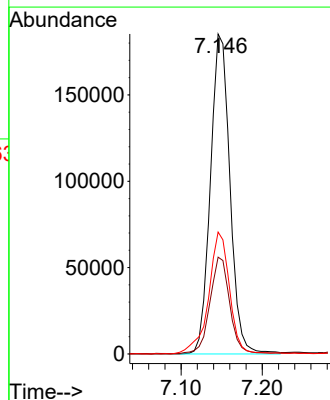
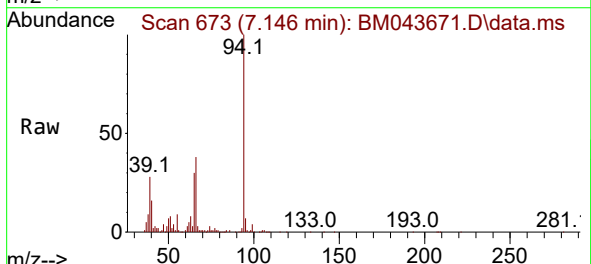
Instrument :
BNA_P
ClientSampleId :
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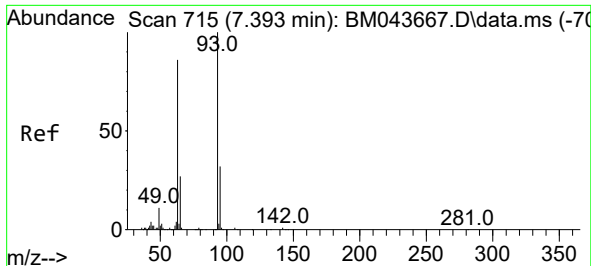
Tgt Ion: 77 Resp: 296147
Ion Ratio Lower Upper
77 100
105 91.0 73.4 110.0
106 87.3 71.4 107.0



#8
Phenol
Concen: 14.363 ng/ul
RT: 7.146 min Scan# 673
Delta R.T. -0.000 min
Lab File: BM043671.D
Acq: 29 Dec 2023 11:58

Tgt Ion: 94 Resp: 309635
Ion Ratio Lower Upper
94 100
65 30.3 23.7 35.5
66 38.1 30.2 45.4

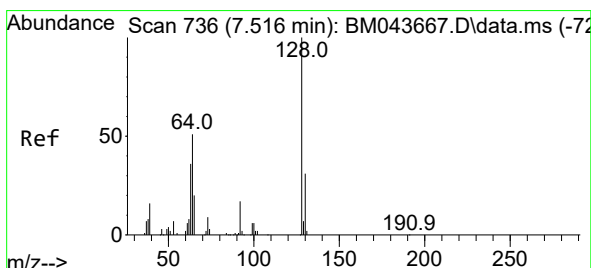
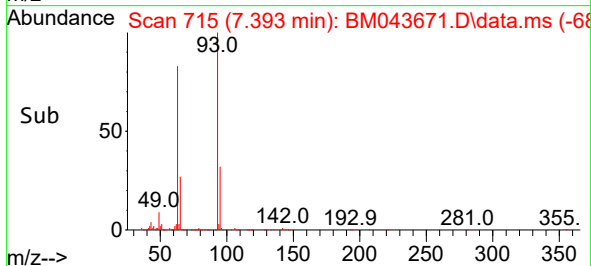
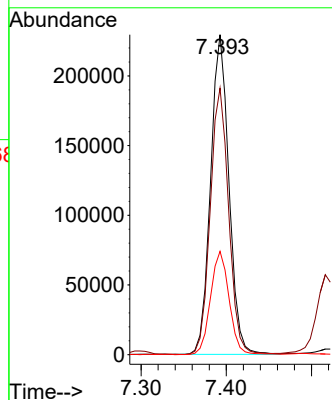
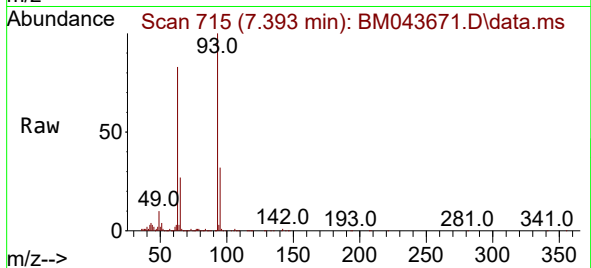




#10
Bis(2-Chloroethyl)ether
Concen: 19.575 ng/ul
RT: 7.393 min Scan# 715
Delta R.T. -0.000 min
Lab File: BM043671.D
Acq: 29 Dec 2023 11:58

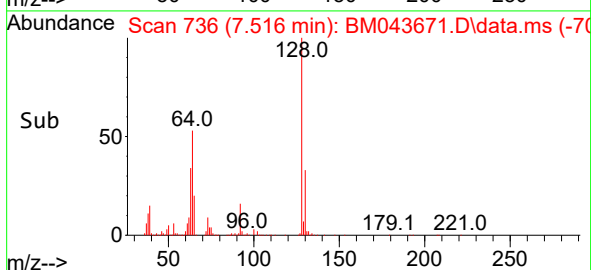
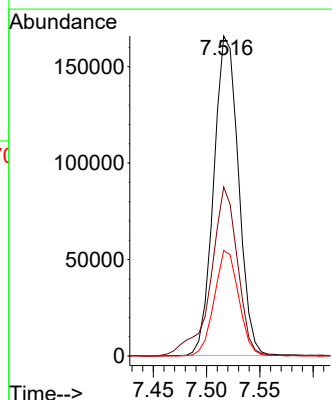
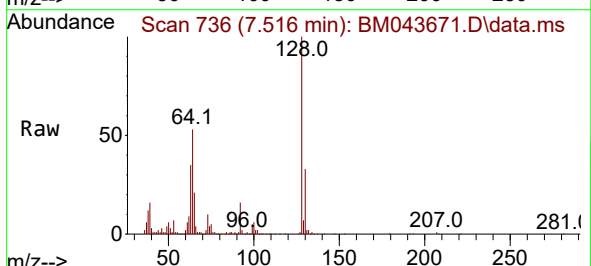
Instrument :
BNA_P
ClientSampleId :
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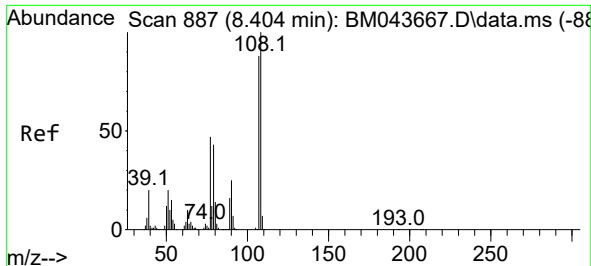
Tgt Ion: 93 Resp: 342578
Ion Ratio Lower Upper
93 100
63 83.3 65.8 98.8
95 32.3 26.2 39.2



#12
2-Chlorophenol
Concen: 15.727 ng/ul
RT: 7.516 min Scan# 736
Delta R.T. -0.000 min
Lab File: BM043671.D
Acq: 29 Dec 2023 11:58

Tgt Ion:128 Resp: 268030
Ion Ratio Lower Upper
128 100
64 52.8 40.5 60.7
130 33.0 25.6 38.4





#13

2-Methylphenol

Concen: 15.176 ng/ul

RT: 8.404 min Scan# 887

Delta R.T. -0.000 min

Lab File: BM043671.D

Acq: 29 Dec 2023 11:58

Instrument :

BNA_P

ClientSampleId :

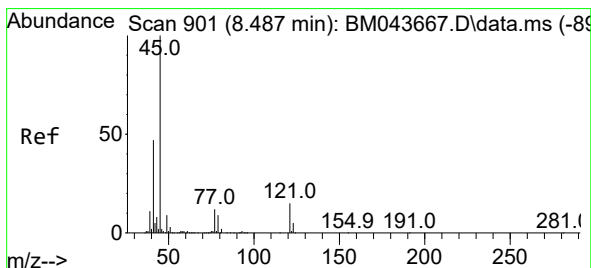
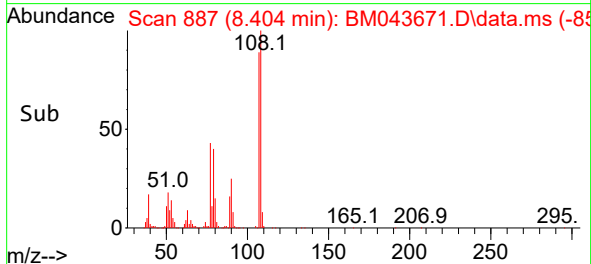
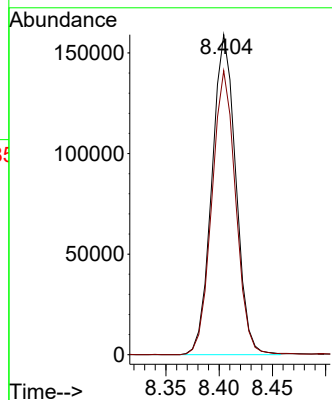
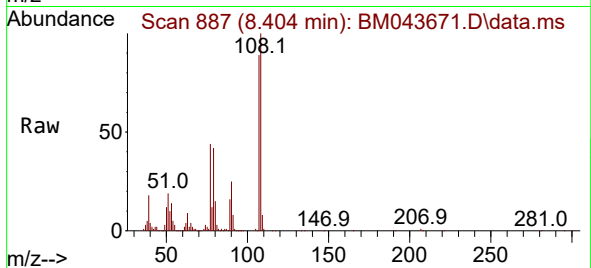
GCF56MSD

Tgt Ion:108 Resp: 248416

Ion Ratio Lower Upper

108 100

107 88.7 69.0 103.6



#14

2,2'-oxybis(1-Chloropropane)

Concen: 20.470 ng/ul

RT: 8.487 min Scan# 901

Delta R.T. -0.000 min

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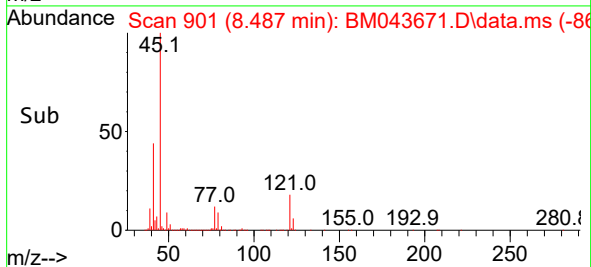
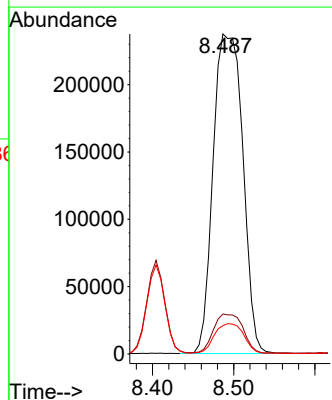
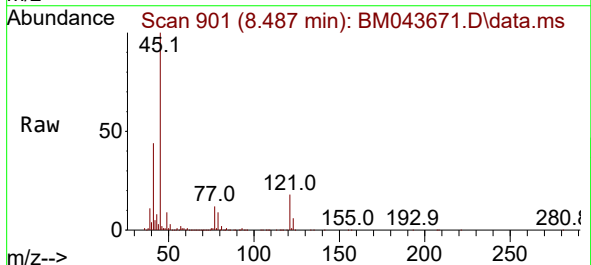
Tgt Ion: 45 Resp: 601606

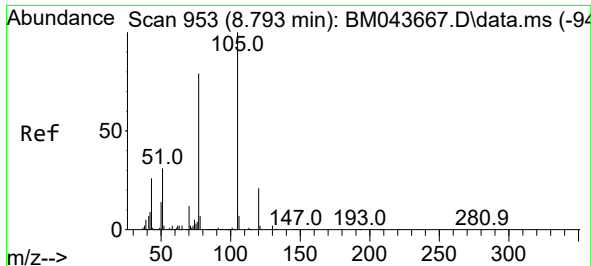
Ion Ratio Lower Upper

45 100

77 12.5 10.6 15.8

79 8.9 7.6 11.4

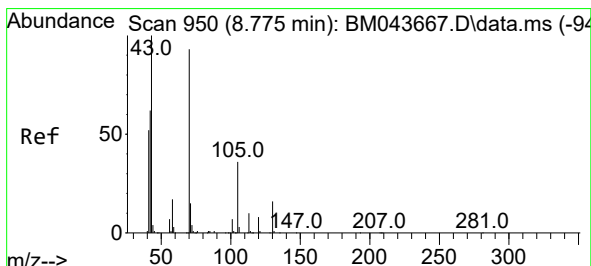
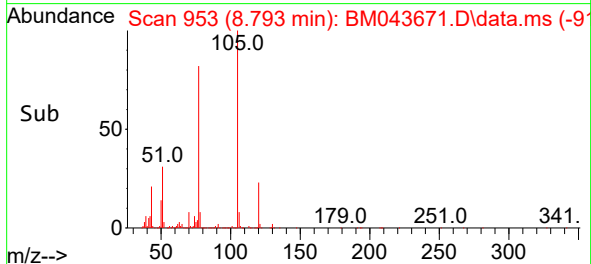
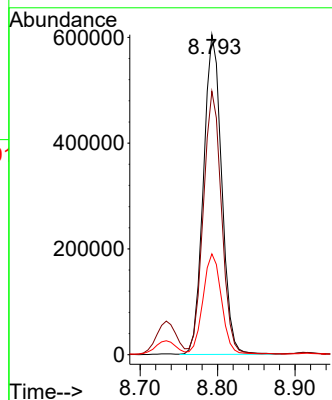
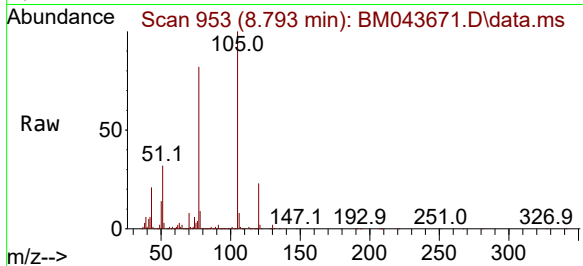




#16
Acetophenone
Concen: 37.970 ng/ul
RT: 8.793 min Scan# 91
Delta R.T. -0.000 min
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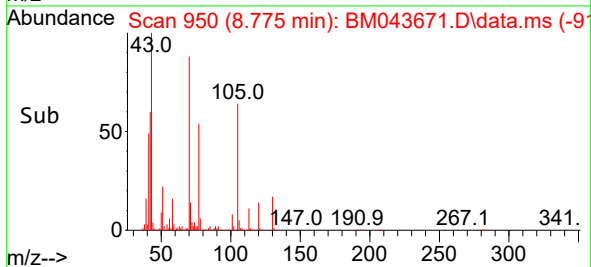
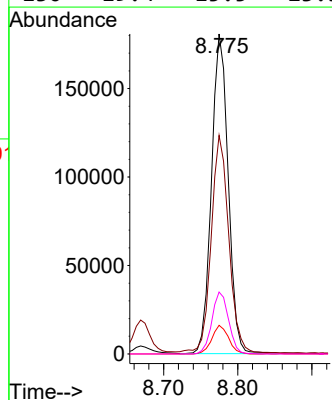
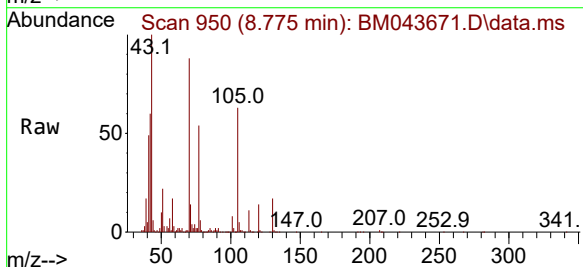
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ClientSampleId :
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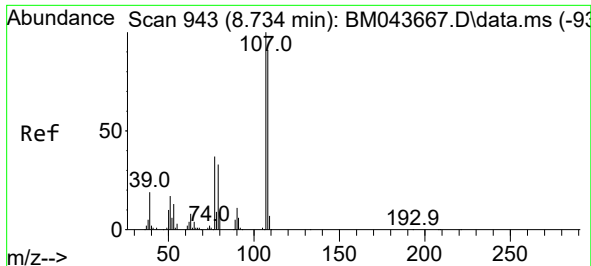
Tgt Ion:105 Resp: 988477
Ion Ratio Lower Upper
105 100
77 82.3 65.1 97.7
51 31.5 24.3 36.5



#17
N-Nitroso-di-n-propylamine
Concen: 18.183 ng/ul
RT: 8.775 min Scan# 950
Delta R.T. -0.000 min
Lab File: BM043671.D
Acq: 29 Dec 2023 11:58

Tgt Ion: 70 Resp: 282529
Ion Ratio Lower Upper
70 100
42 68.3 50.0 75.0
101 9.0 7.4 11.0
130 19.4 15.5 23.3

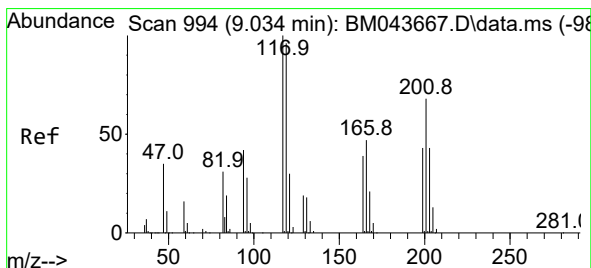
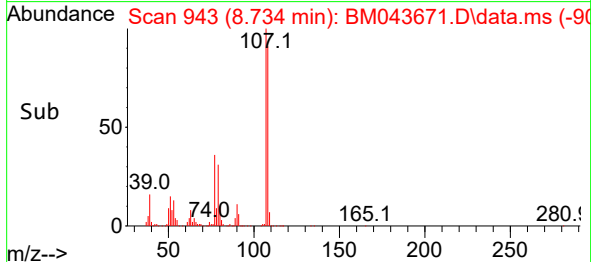
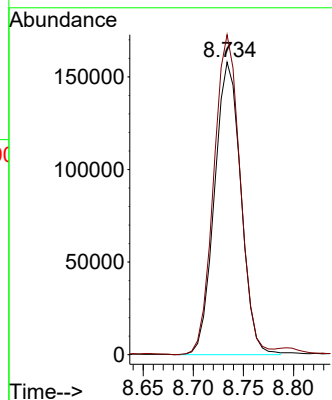
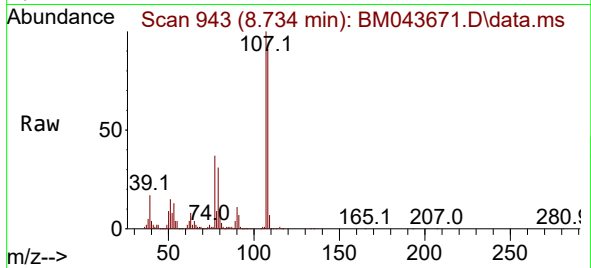




#18
4-Methylphenol
Concen: 16.336 ng/ul
RT: 8.734 min Scan# 943
Delta R.T. -0.000 min
Lab File: BM043671.D
Acq: 29 Dec 2023 11:58

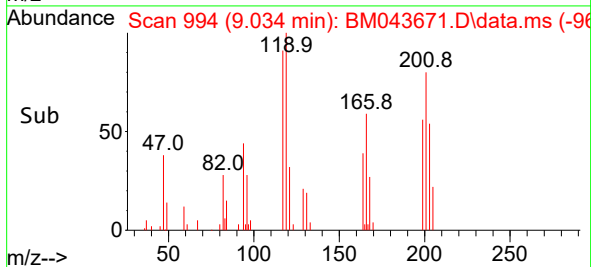
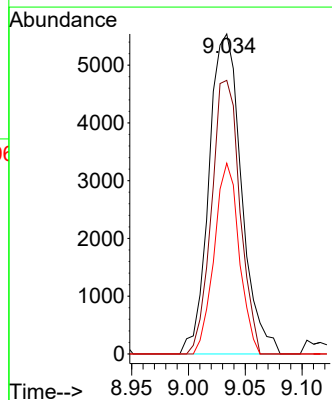
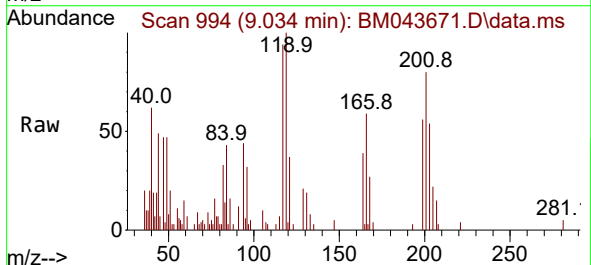
Instrument :
BNA_P
ClientSampleId :
GCF56MSD

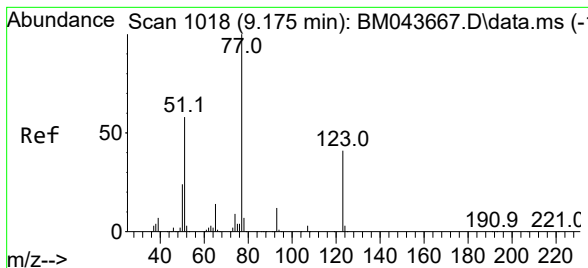
Tgt Ion:108 Resp: 289808
Ion Ratio Lower Upper
108 100
107 109.4 87.1 130.7



#19
Hexachloroethane
Concen: 1.535 ng/ul
RT: 9.034 min Scan# 994
Delta R.T. -0.000 min
Lab File: BM043671.D
Acq: 29 Dec 2023 11:58

Tgt Ion:117 Resp: 11028
Ion Ratio Lower Upper
117 100
201 85.5 59.8 89.6
199 59.6 39.0 58.6#

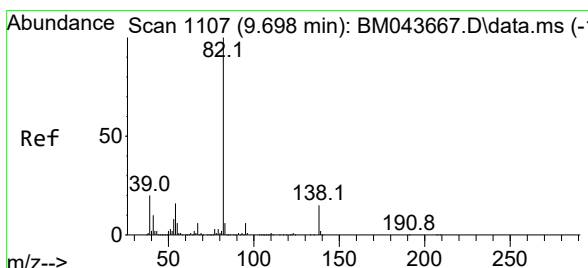
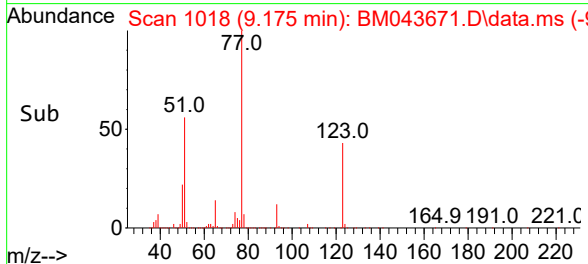
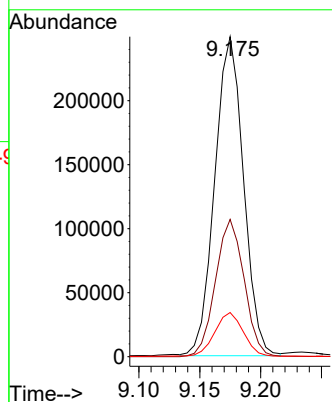
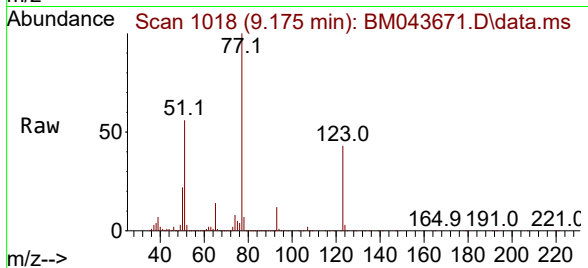




#22
Nitrobenzene
Concen: 20.539 ng/ul
RT: 9.175 min Scan# 1018
Delta R.T. -0.000 min
Lab File: BM043671.D
Acq: 29 Dec 2023 11:58

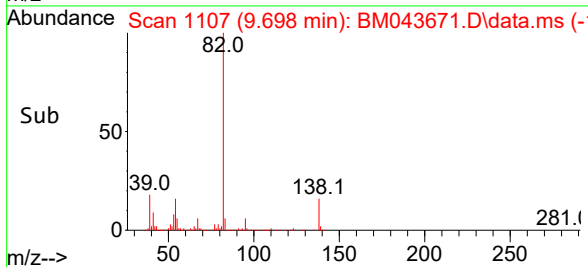
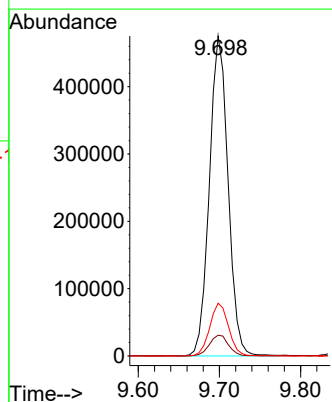
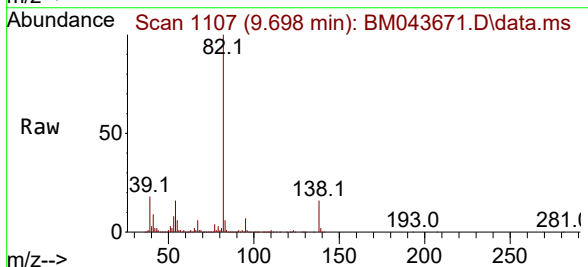
Instrument :
BNA_P
ClientSampleId :
GCF56MSD

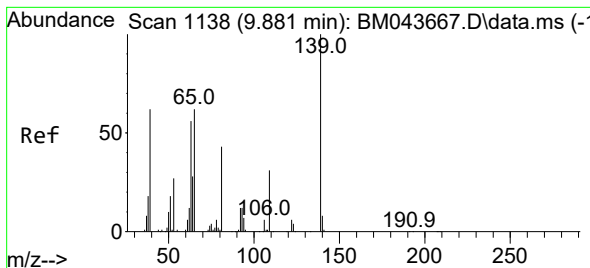
Tgt Ion: 77 Resp: 410000
Ion Ratio Lower Upper
77 100
123 42.9 35.6 53.4
65 13.8 10.6 15.8



#23
Isophorone
Concen: 18.755 ng/ul
RT: 9.698 min Scan# 1107
Delta R.T. -0.000 min
Lab File: BM043671.D
Acq: 29 Dec 2023 11:58

Tgt Ion: 82 Resp: 759429
Ion Ratio Lower Upper
82 100
95 6.5 5.5 8.3
138 16.5 13.6 20.4

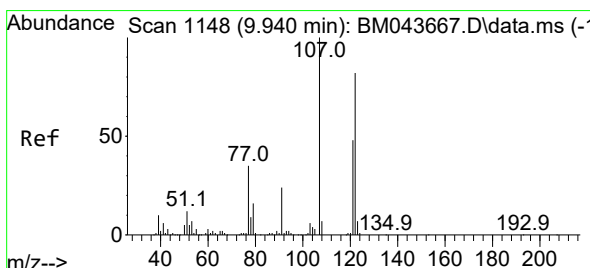
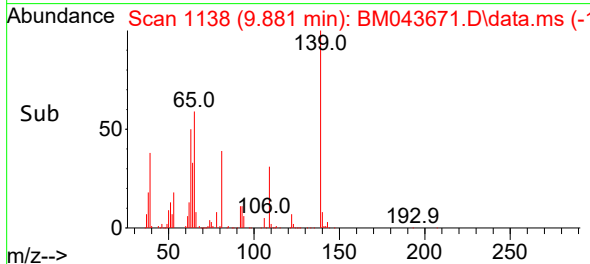
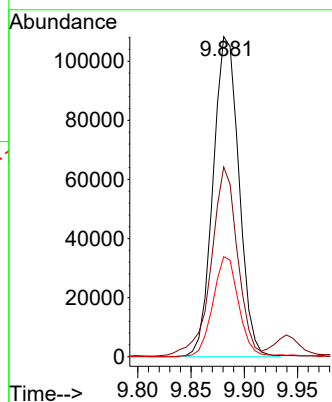
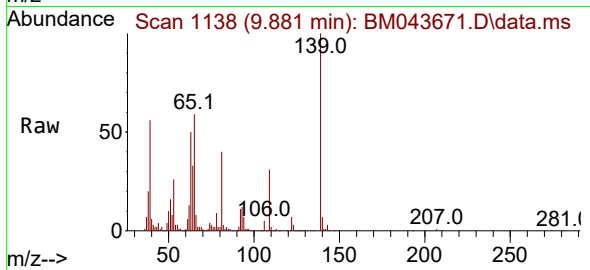




#25
2-Nitrophenol
Concen: 20.650 ng/ul
RT: 9.881 min Scan# 1138
Delta R.T. -0.000 min
Lab File: BM043671.D
Acq: 29 Dec 2023 11:58

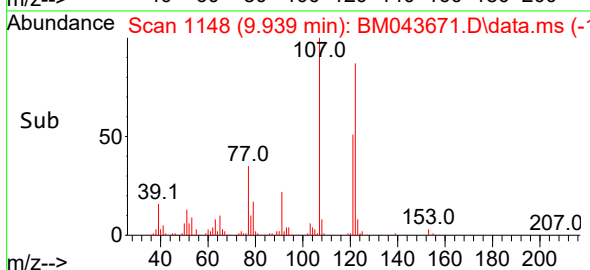
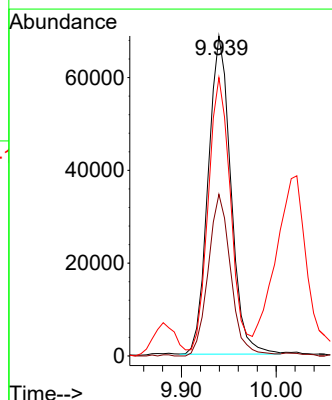
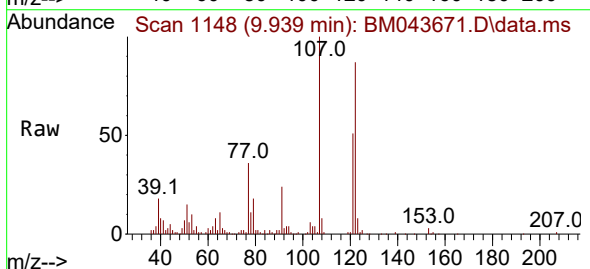
Instrument :
BNA_P
ClientSampleId :
GCF56MSD

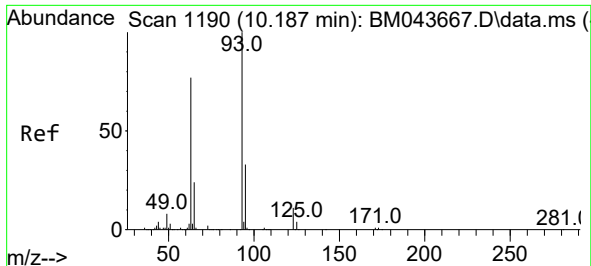
Tgt Ion:139 Resp: 182907
Ion Ratio Lower Upper
139 100
65 59.3 44.6 66.8
109 31.2 24.6 36.8



#26
2,4-Dimethylphenol
Concen: 7.241 ng/ul
RT: 9.939 min Scan# 1148
Delta R.T. -0.000 min
Lab File: BM043671.D
Acq: 29 Dec 2023 11:58

Tgt Ion:107 Resp: 114260
Ion Ratio Lower Upper
107 100
121 50.5 40.3 60.5
122 87.0 71.5 107.3

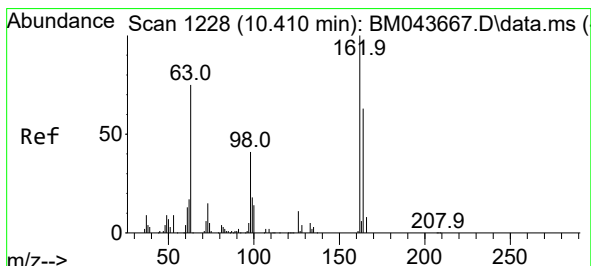
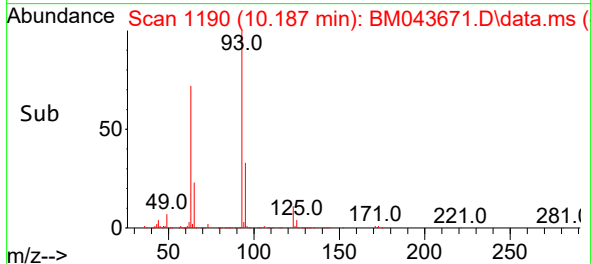
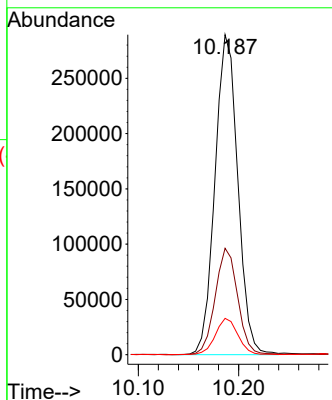
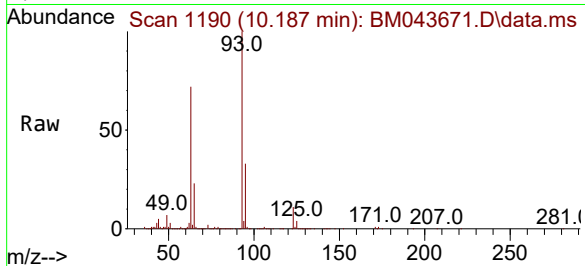




#27
 Bis(2-Chloroethoxy)methane
 Concen: 19.123 ng/ul
 RT: 10.187 min Scan# 1190
 Delta R.T. -0.000 min
 Lab File: BM043671.D
 Acq: 29 Dec 2023 11:58

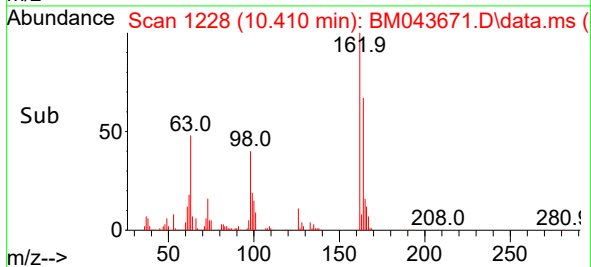
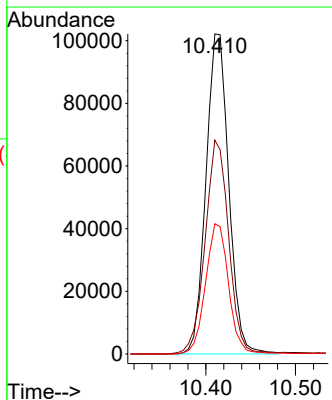
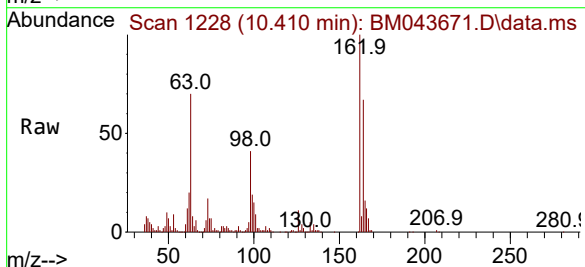
Instrument :
 BNA_P
 ClientSampleId :
 GCF56MSD

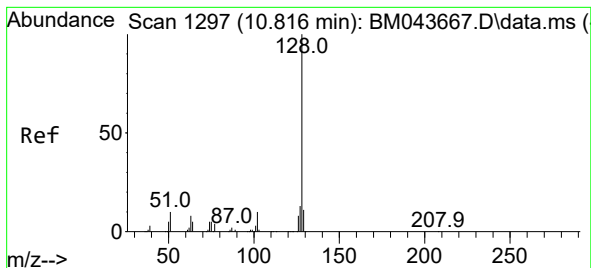
Tgt Ion: 93 Resp: 457234
 Ion Ratio Lower Upper
 93 100
 95 33.2 25.9 38.9
 123 11.4 9.0 13.6



#29
 2,4-Dichlorophenol
 Concen: 12.644 ng/ul
 RT: 10.410 min Scan# 1228
 Delta R.T. -0.000 min
 Lab File: BM043671.D
 Acq: 29 Dec 2023 11:58

Tgt Ion: 162 Resp: 180524
 Ion Ratio Lower Upper
 162 100
 164 66.8 51.0 76.4
 98 40.7 32.1 48.1

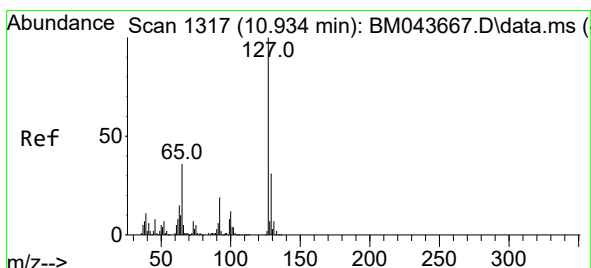
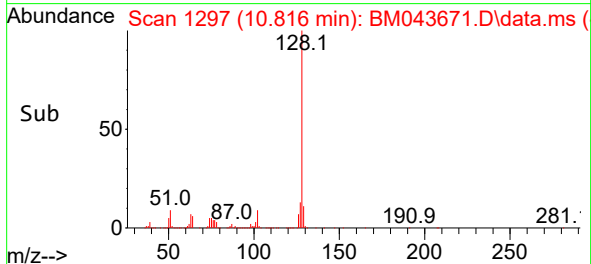
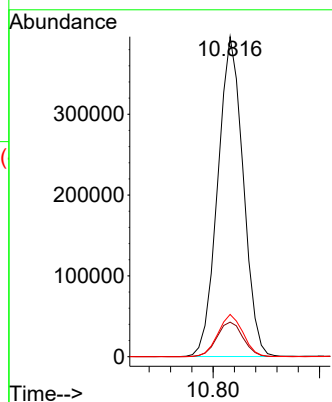
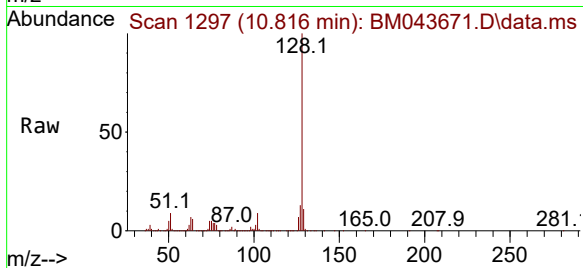




#30
Naphthalene
Concen: 12.335 ng/ul
RT: 10.816 min Scan# 11
Delta R.T. -0.000 min
Lab File: BM043671.D
Acq: 29 Dec 2023 11:58

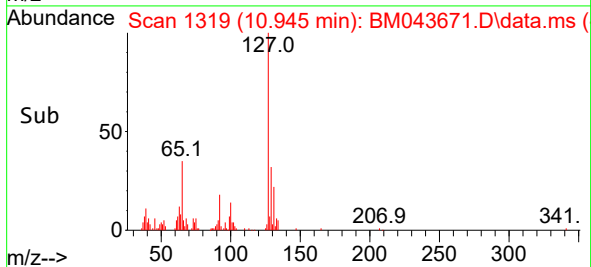
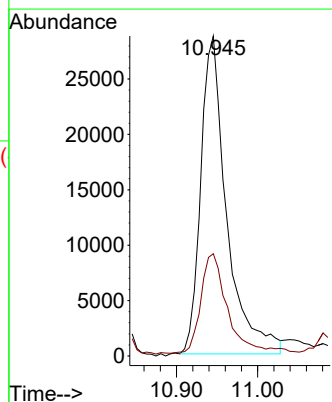
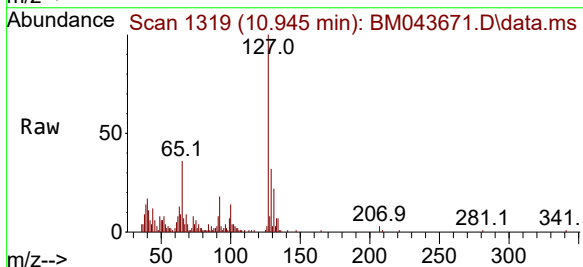
Instrument :
BNA_P
ClientSampleId :
GCF56MSD

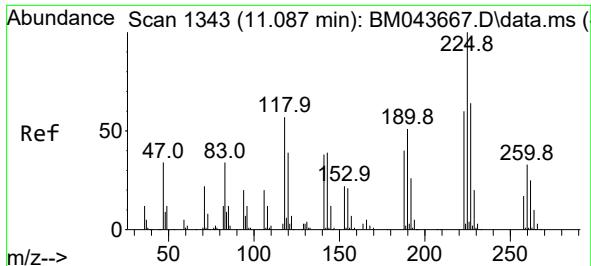
Tgt Ion:128 Resp: 655395
Ion Ratio Lower Upper
128 100
129 10.8 8.8 13.2
127 13.2 10.2 15.4



#32
4-Chloroaniline
Concen: 3.064 ng/ul
RT: 10.945 min Scan# 1319
Delta R.T. 0.012 min
Lab File: BM043671.D
Acq: 29 Dec 2023 11:58

Tgt Ion:127 Resp: 63776
Ion Ratio Lower Upper
127 100
129 31.9 25.4 38.2

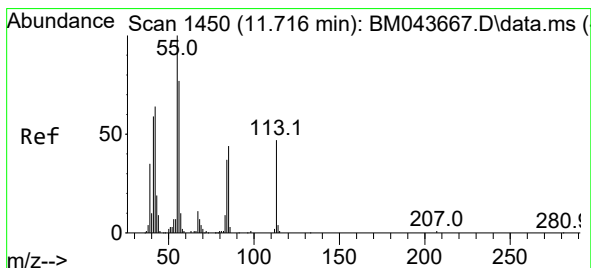
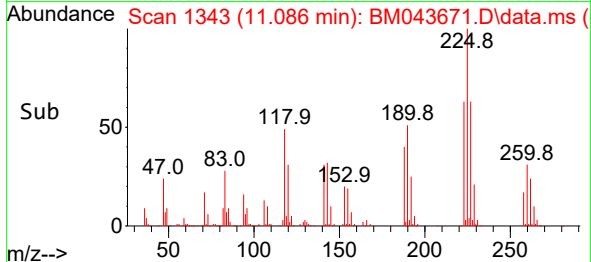
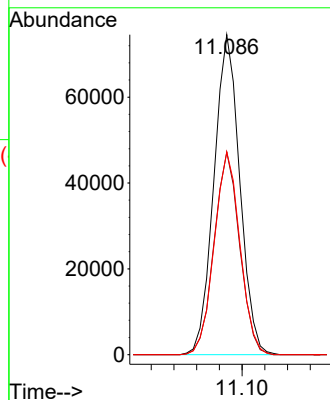
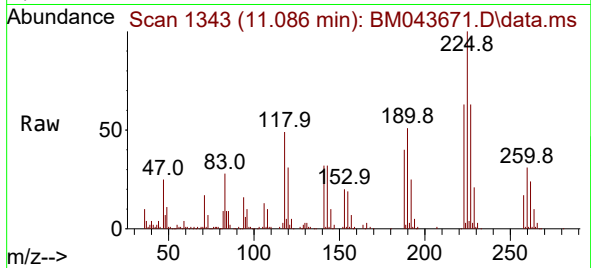




#33
Hexachlorobutadiene
Concen: 16.182 ng/ul
RT: 11.086 min Scan# 11
Delta R.T. -0.000 min
Lab File: BM043671.D
Acq: 29 Dec 2023 11:58

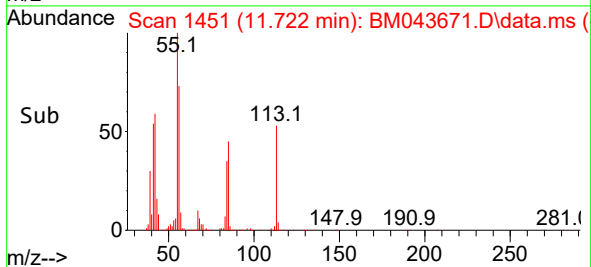
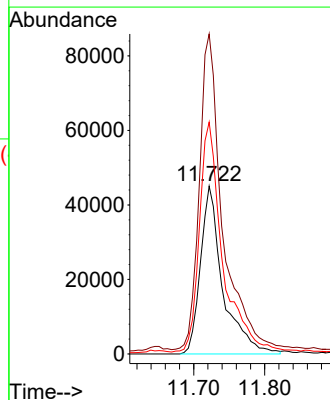
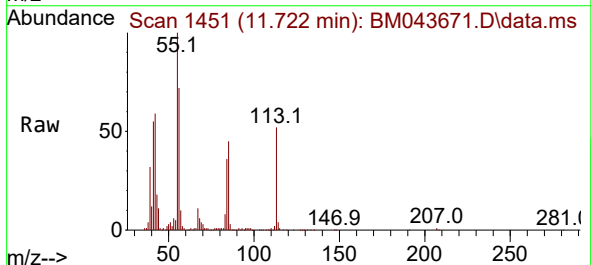
Instrument :
BNA_P
ClientSampleId :
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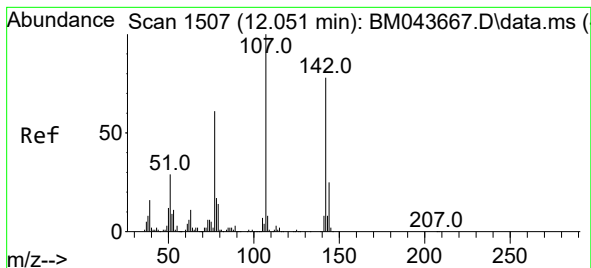
Tgt Ion:225 Resp: 117800
Ion Ratio Lower Upper
225 100
223 63.3 49.4 74.0
227 63.4 50.4 75.6



#34
Caprolactam
Concen: 21.668 ng/ul
RT: 11.722 min Scan# 1451
Delta R.T. 0.006 min
Lab File: BM043671.D
Acq: 29 Dec 2023 11:58

Tgt Ion:113 Resp: 98863
Ion Ratio Lower Upper
113 100
55 190.7 148.9 223.3
56 138.1 111.4 167.2

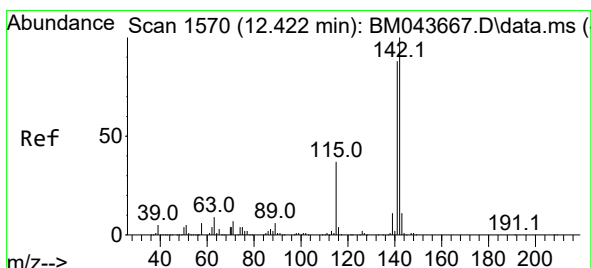
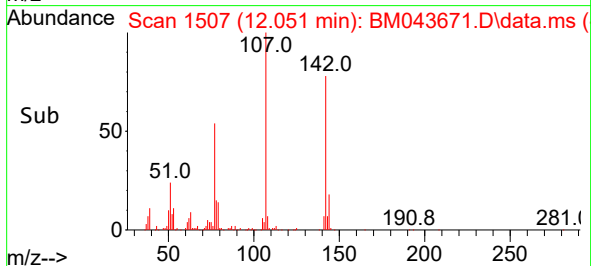
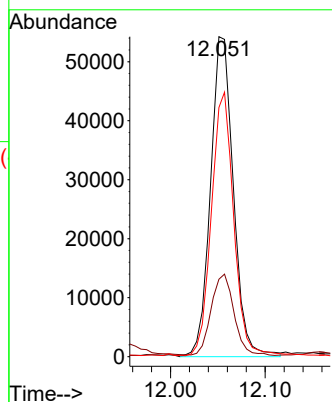
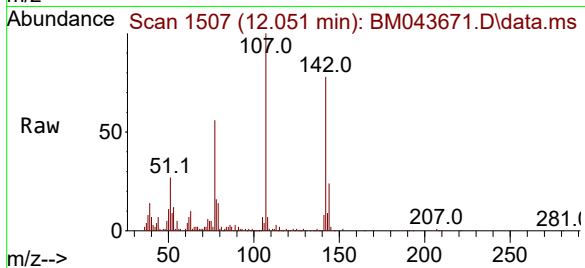




#35
4-Chloro-3-methylphenol
Concen: 5.436 ng/ul
RT: 12.051 min Scan# 1507
Delta R.T. -0.000 min
Lab File: BM043671.D
Acq: 29 Dec 2023 11:58

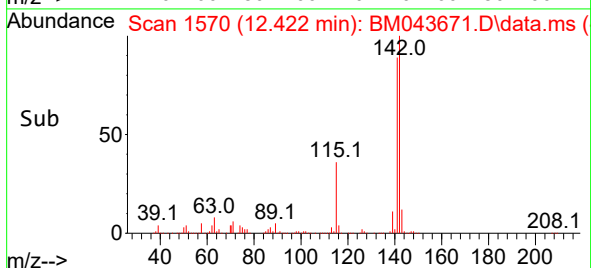
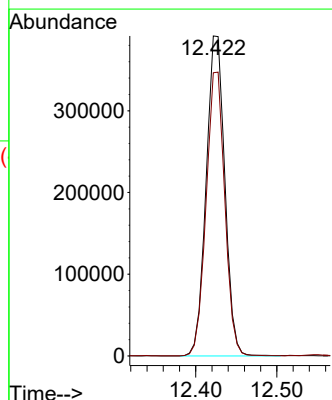
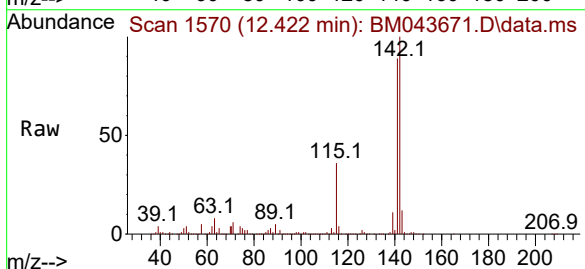
Instrument :
BNA_P
ClientSampleId :
GCF56MSD

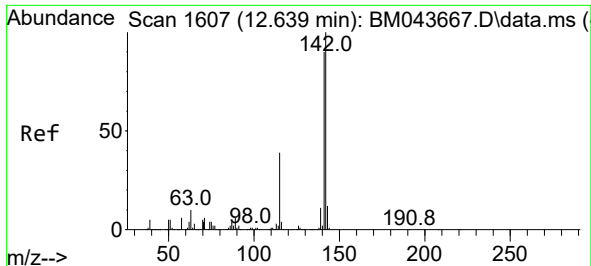
Tgt Ion:107 Resp: 91163
Ion Ratio Lower Upper
107 100
144 24.2 20.3 30.5
142 77.8 64.3 96.5



#36
2-Methylnaphthalene
Concen: 17.293 ng/ul
RT: 12.422 min Scan# 1570
Delta R.T. -0.000 min
Lab File: BM043671.D
Acq: 29 Dec 2023 11:58

Tgt Ion:142 Resp: 625458
Ion Ratio Lower Upper
142 100
141 88.5 69.9 104.9





#37

1-Methylnaphthalene

Concen: 15.496 ng/ul

RT: 12.639 min Scan# 1

Delta R.T. -0.000 min

Lab File: BM043671.D

Acq: 29 Dec 2023 11:58

Instrument :

BNA_P

ClientSampleId :

GCF56MSD

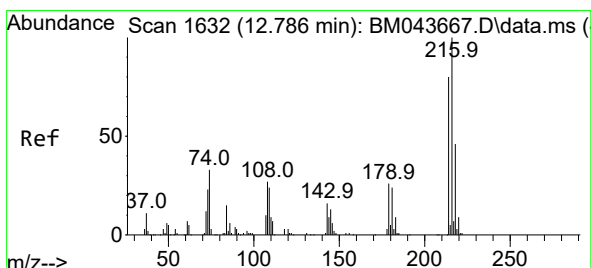
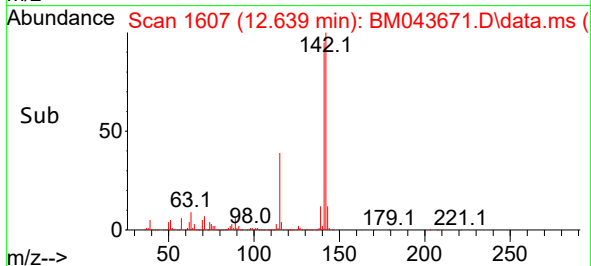
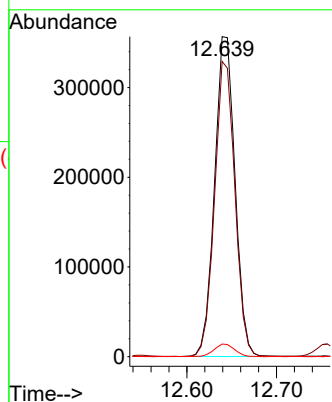
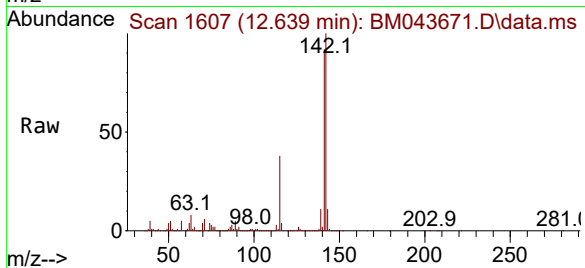
Tgt Ion:142 Resp: 565279

Ion Ratio Lower Upper

142 100

141 92.2 73.0 109.4

116 4.0 3.0 4.6



#39

1,2,4,5-Tetrachlorobenzene

Concen: 5.006 ng/ul

RT: 12.786 min Scan# 1632

Delta R.T. -0.000 min

Lab File: BM043671.D

Acq: 29 Dec 2023 11:58

Tgt Ion:216 Resp: 71038

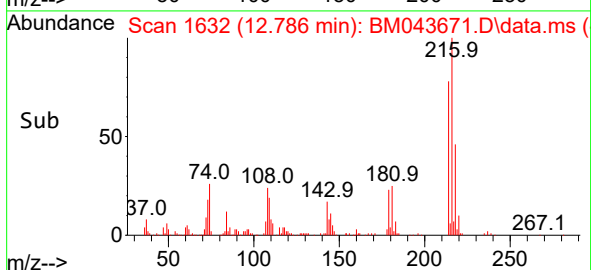
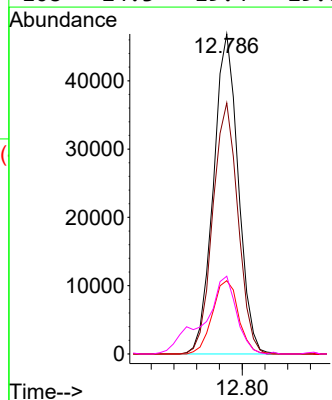
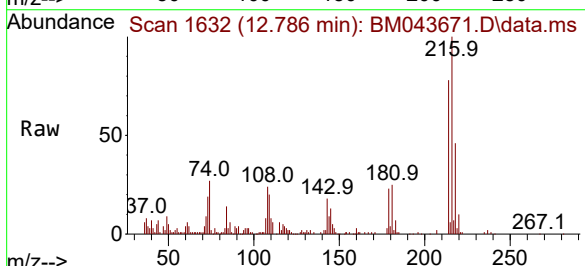
Ion Ratio Lower Upper

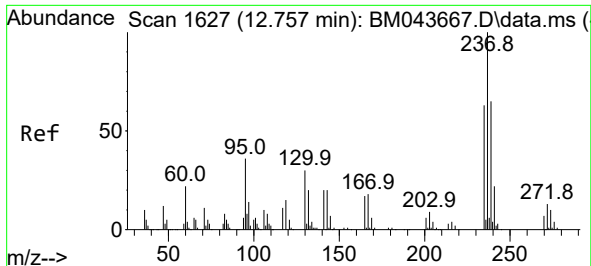
216 100

214 78.5 64.6 97.0

179 22.9 20.0 30.0

108 24.3 19.4 29.0

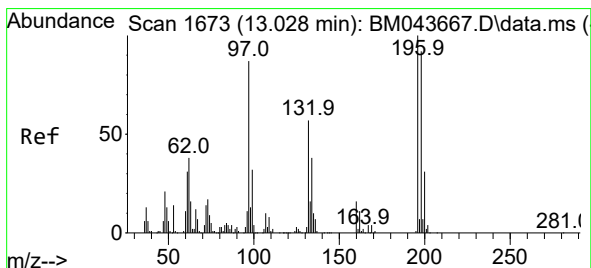
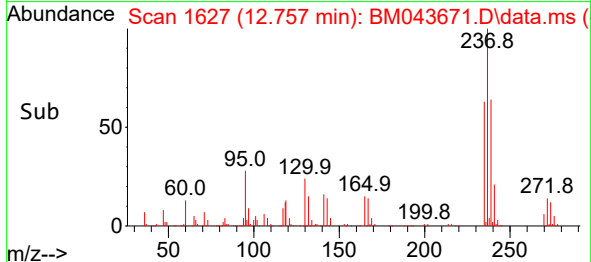
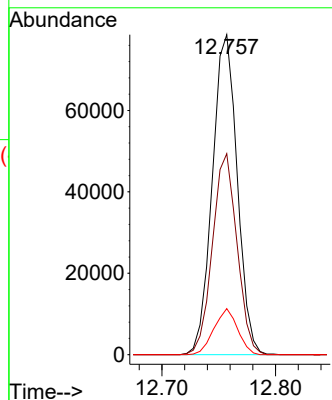
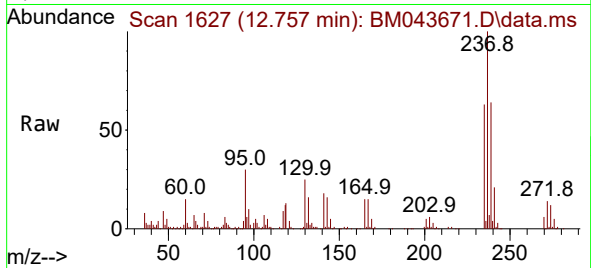




#40
Hexachlorocyclopentadiene
Concen: 13.451 ng/ul
RT: 12.757 min Scan# 1627
Delta R.T. -0.000 min
Lab File: BM043671.D
Acq: 29 Dec 2023 11:58

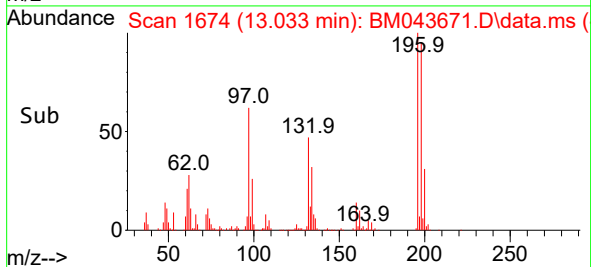
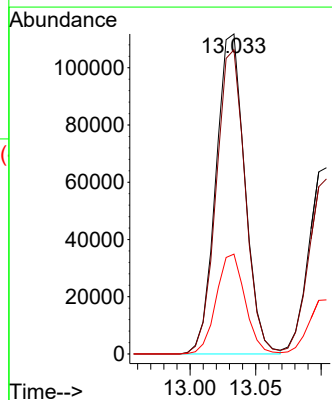
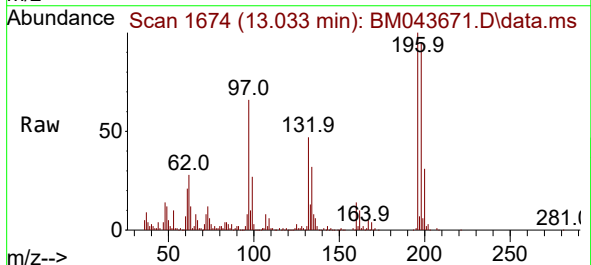
Instrument :
BNA_P
ClientSampleId :
GCF56MSD

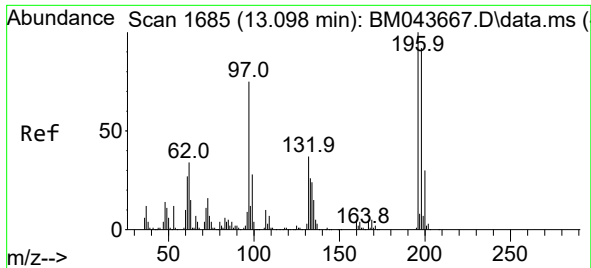
Tgt Ion:237 Resp: 119768
Ion Ratio Lower Upper
237 100
235 62.8 48.2 72.4
272 14.4 10.8 16.2



#41
2,4,6-Trichlorophenol
Concen: 17.031 ng/ul
RT: 13.033 min Scan# 1674
Delta R.T. 0.006 min
Lab File: BM043671.D
Acq: 29 Dec 2023 11:58

Tgt Ion:196 Resp: 171790
Ion Ratio Lower Upper
196 100
198 95.0 78.3 117.5
200 31.2 25.1 37.7

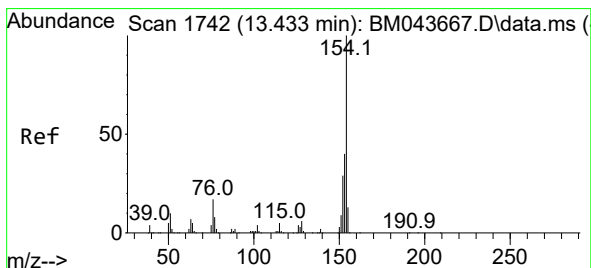
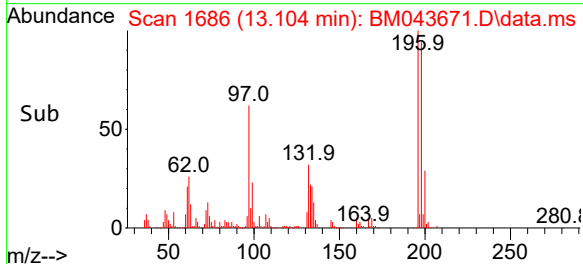
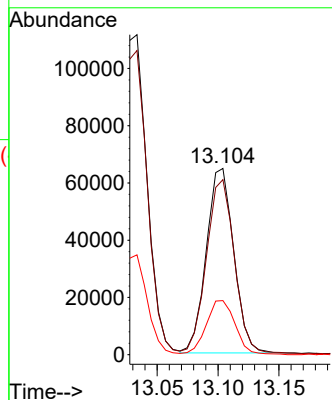
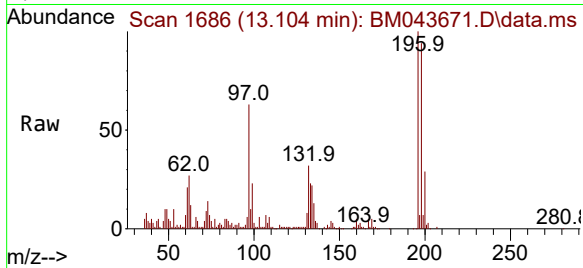




#42
2,4,5-Trichlorophenol
Concen: 9.445 ng/ul
RT: 13.104 min Scan# 1686
Delta R.T. 0.006 min
Lab File: BM043671.D
Acq: 29 Dec 2023 11:58

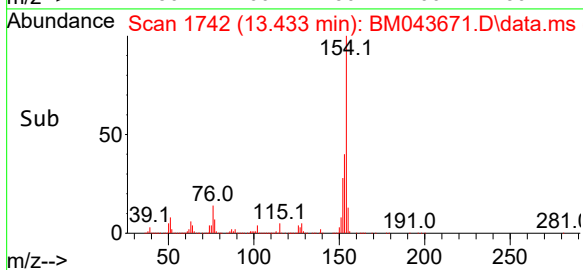
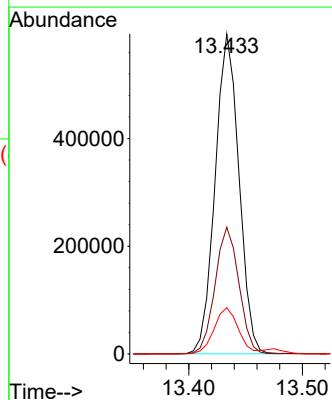
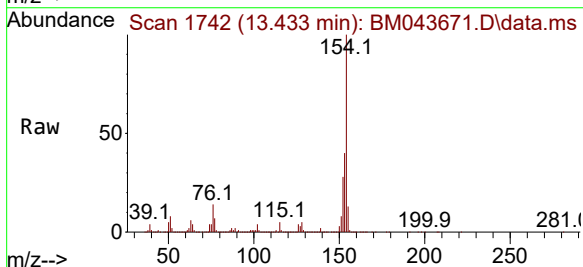
Instrument :
BNA_P
ClientSampleId :
GCF56MSD

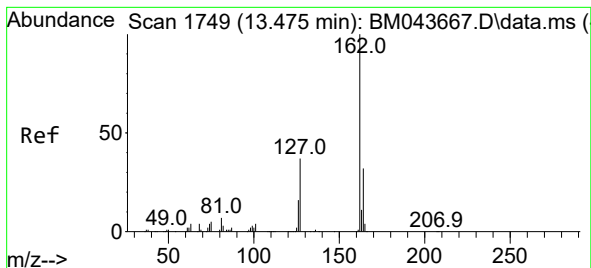
Tgt Ion:196 Resp: 101165
Ion Ratio Lower Upper
196 100
198 94.0 75.1 112.7
200 29.1 24.6 37.0



#43
1,1'-Biphenyl
Concen: 19.451 ng/ul
RT: 13.433 min Scan# 1742
Delta R.T. -0.000 min
Lab File: BM043671.D
Acq: 29 Dec 2023 11:58

Tgt Ion:154 Resp: 863563
Ion Ratio Lower Upper
154 100
153 39.6 31.8 47.6
76 14.5 11.7 17.5





#44

2-Chloronaphthalene

Concen: 9.803 ng/ul

RT: 13.475 min Scan# 1

Delta R.T. -0.000 min

Lab File: BM043671.D

Acq: 29 Dec 2023 11:58

Instrument :

BNA_P

ClientSampleId :

GCF56MSD

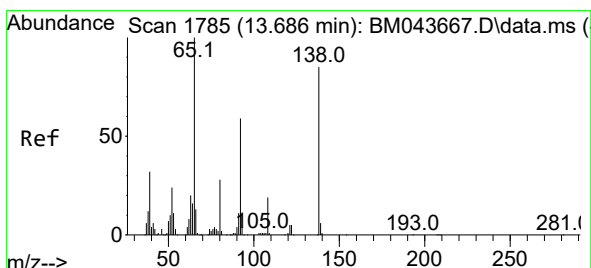
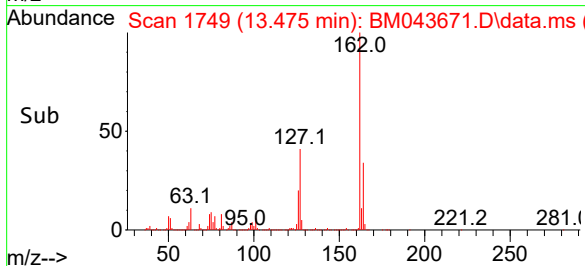
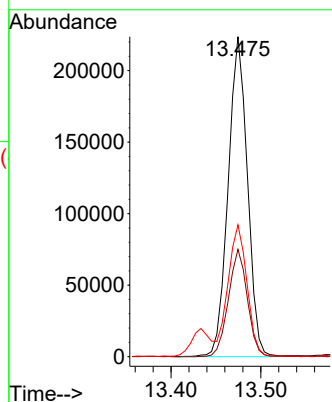
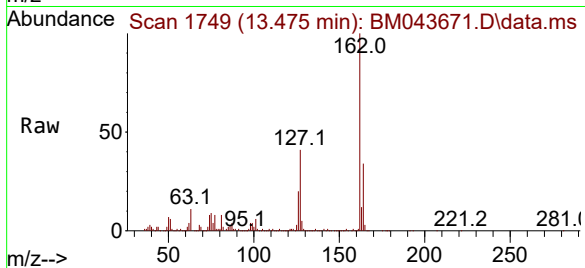
Tgt Ion:162 Resp: 333687

Ion Ratio Lower Upper

162 100

164 33.6 26.4 39.6

127 41.2 32.2 48.4



#45

2-Nitroaniline

Concen: 21.005 ng/ul

RT: 13.686 min Scan# 1785

Delta R.T. -0.000 min

Lab File: BM043671.D

Acq: 29 Dec 2023 11:58

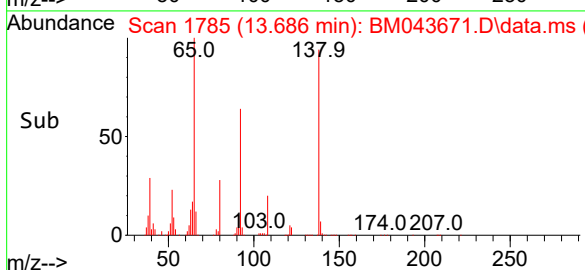
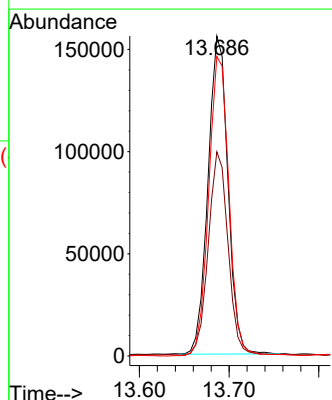
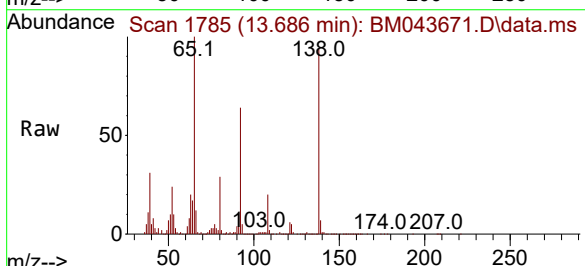
Tgt Ion: 65 Resp: 239752

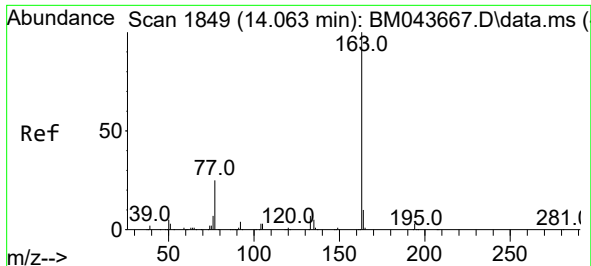
Ion Ratio Lower Upper

65 100

92 63.8 51.4 77.2

138 93.6 78.4 117.6

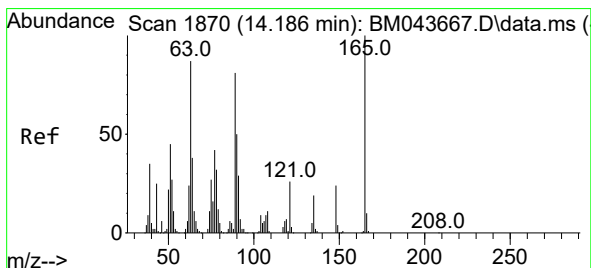
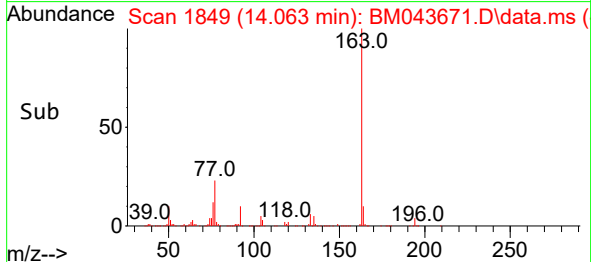
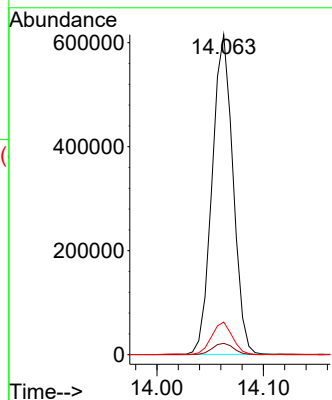
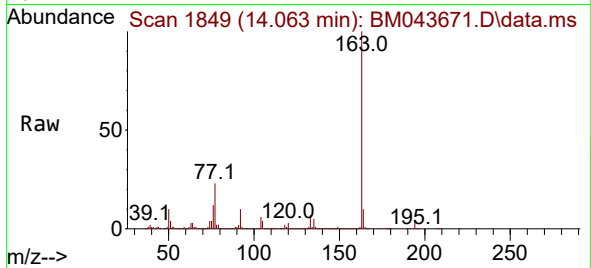




#47
Dimethylphthalate
Concen: 20.195 ng/ul
RT: 14.063 min Scan# 1849
Delta R.T. -0.000 min
Lab File: BM043671.D
Acq: 29 Dec 2023 11:58

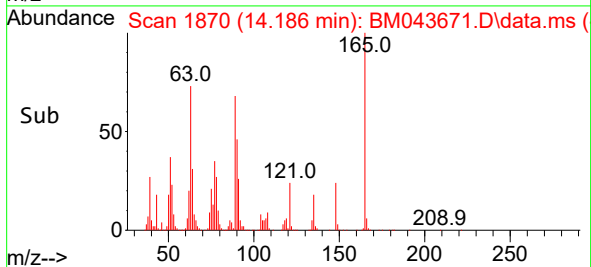
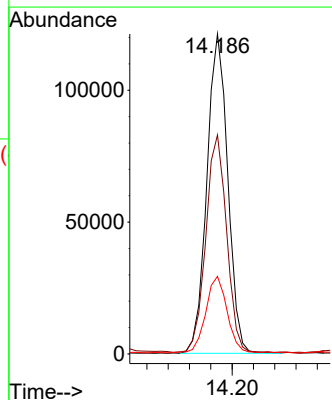
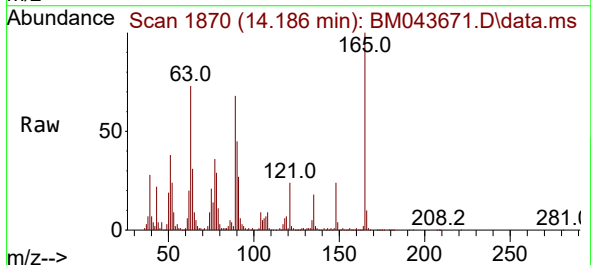
Instrument :
BNA_P
ClientSampleId :
GCF56MSD

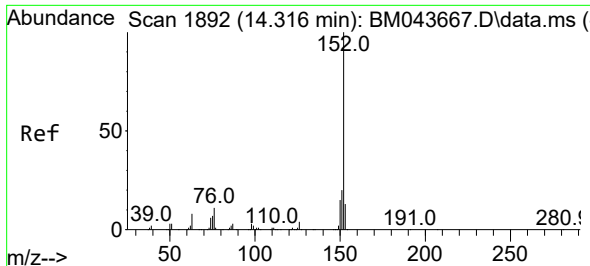
Tgt Ion:163 Resp: 836201
Ion Ratio Lower Upper
163 100
194 3.5 3.0 4.4
164 10.2 8.0 12.0



#48
2,6-Dinitrotoluene
Concen: 20.620 ng/ul
RT: 14.186 min Scan# 1870
Delta R.T. -0.000 min
Lab File: BM043671.D
Acq: 29 Dec 2023 11:58

Tgt Ion:165 Resp: 165067
Ion Ratio Lower Upper
165 100
89 68.5 50.7 76.1
121 24.2 18.6 27.8

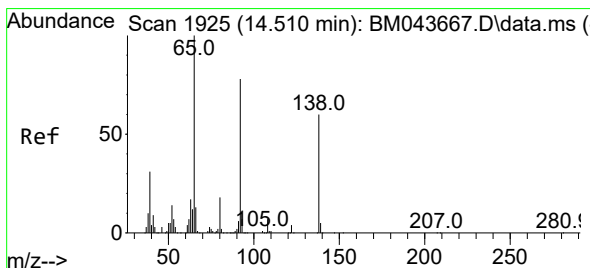
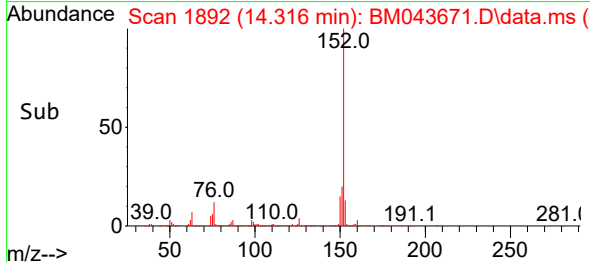
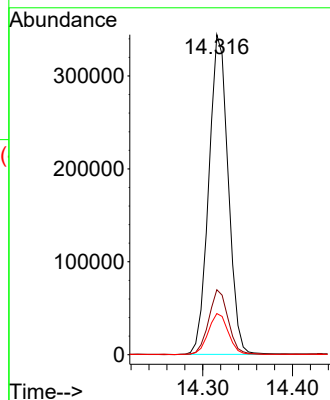
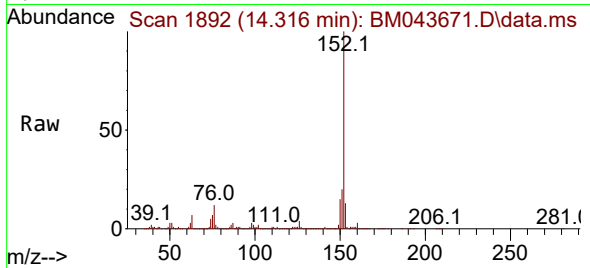




#50
Acenaphthylene
Concen: 9.033 ng/ul
RT: 14.316 min Scan# 1892
Delta R.T. -0.000 min
Lab File: BM043671.D
Acq: 29 Dec 2023 11:58

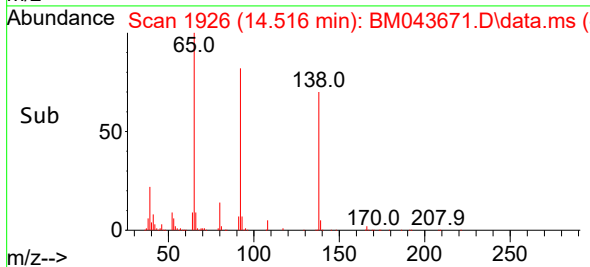
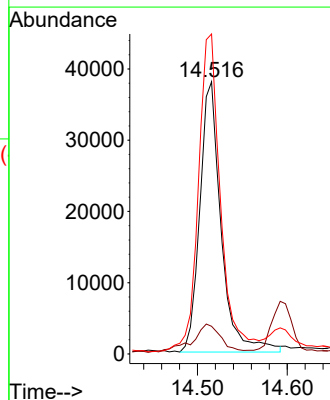
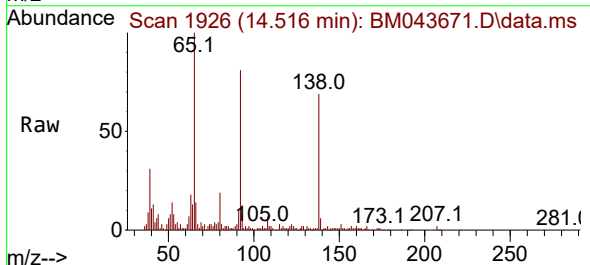
Instrument :
BNA_P
ClientSampleId :
GCF56MSD

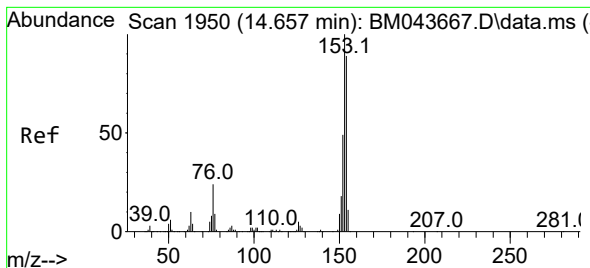
Tgt Ion:152 Resp: 515945
Ion Ratio Lower Upper
152 100
151 20.3 15.6 23.4
153 12.9 10.2 15.4



#51
3-Nitroaniline
Concen: 6.799 ng/ul
RT: 14.516 min Scan# 1926
Delta R.T. 0.006 min
Lab File: BM043671.D
Acq: 29 Dec 2023 11:58

Tgt Ion:138 Resp: 62481
Ion Ratio Lower Upper
138 100
108 10.2 8.4 12.6
92 117.6 94.6 142.0





#52

Acenaphthene

Concen: 11.743 ng/ul

RT: 14.657 min Scan# 1950

Delta R.T. -0.000 min

Lab File: BM043671.D

Acq: 29 Dec 2023 11:58

Instrument :

BNA_P

ClientSampleId :

GCF56MSD

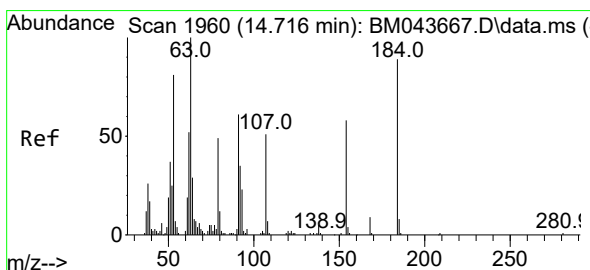
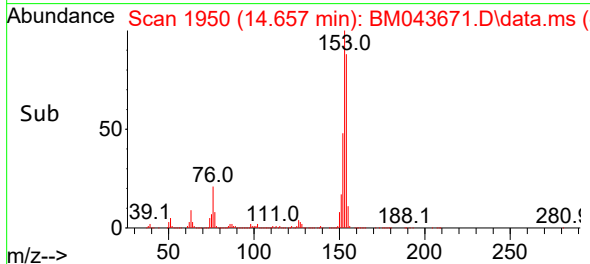
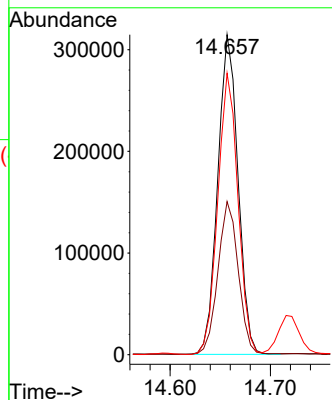
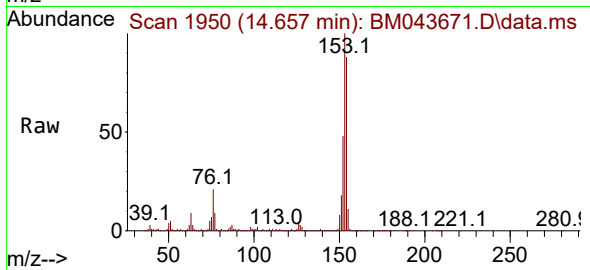
Tgt Ion:153 Resp: 442029

Ion Ratio Lower Upper

153 100

152 47.8 38.1 57.1

154 88.0 70.4 105.6



#53

2,4-Dinitrophenol

Concen: 19.628 ng/ul

RT: 14.716 min Scan# 1960

Delta R.T. -0.000 min

Lab File: BM043671.D

Acq: 29 Dec 2023 11:58

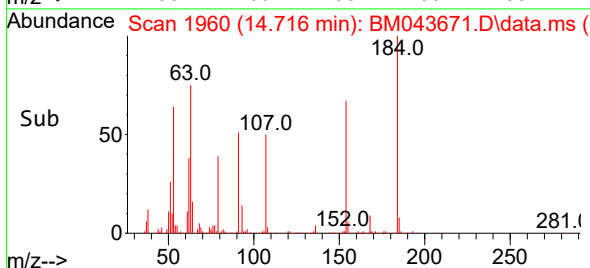
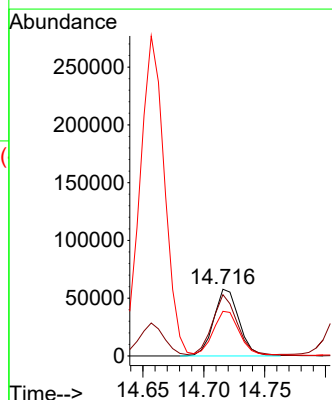
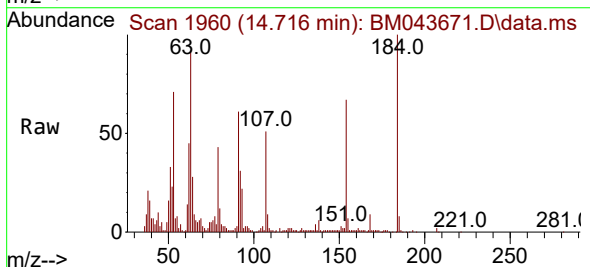
Tgt Ion:184 Resp: 83645

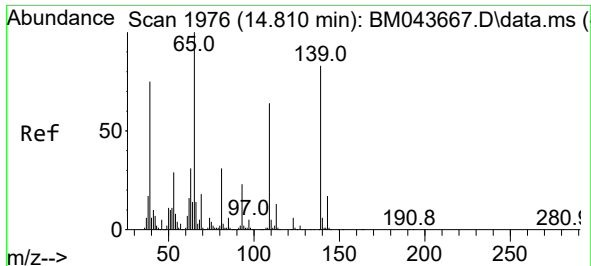
Ion Ratio Lower Upper

184 100

63 91.8 64.9 97.3

154 66.9 53.1 79.7

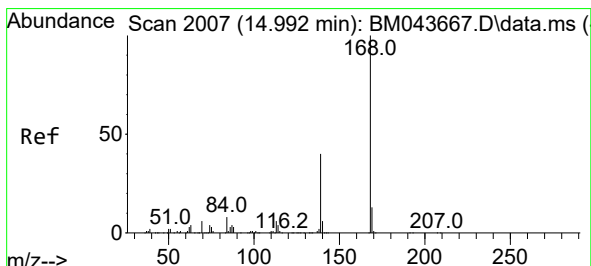
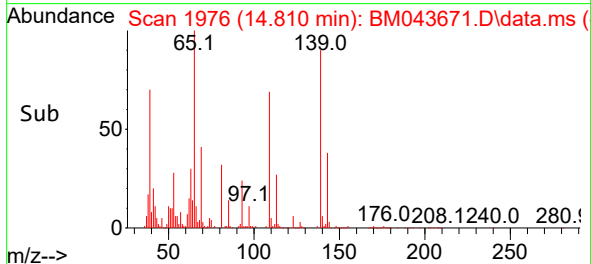
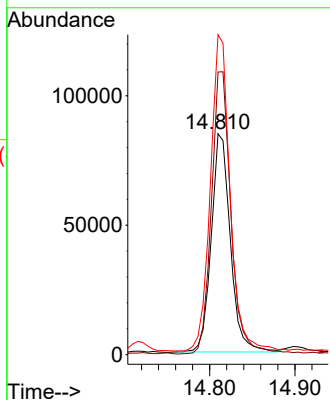
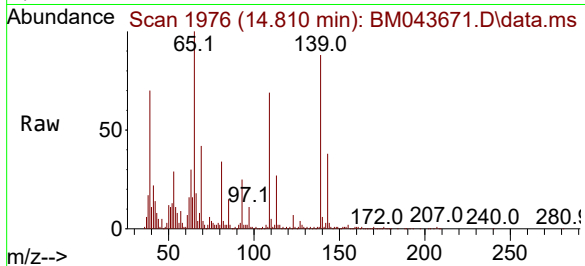




#55
4-Nitrophenol
Concen: 21.270 ng/ul
RT: 14.810 min Scan# 1976
Delta R.T. -0.000 min
Lab File: BM043671.D
Acq: 29 Dec 2023 11:58

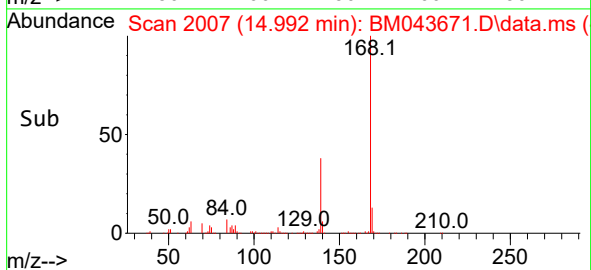
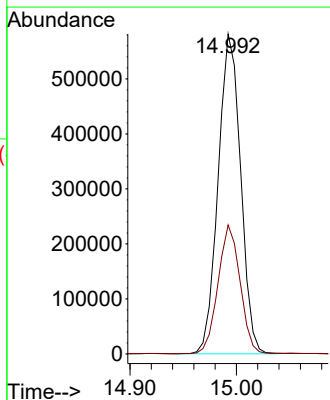
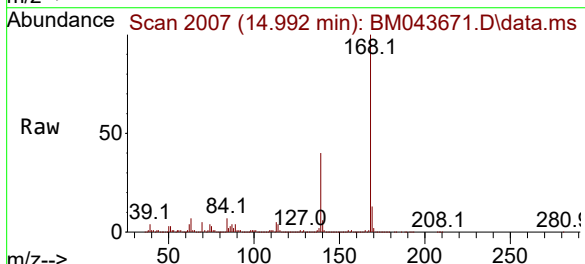
Instrument :
BNA_P
ClientSampleId :
GCF56MSD

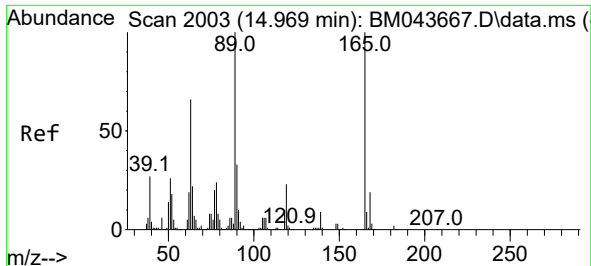
Tgt Ion:109 Resp: 131064
Ion Ratio Lower Upper
109 100
139 127.9 107.0 160.6
65 144.8 110.4 165.6



#56
Dibenzofuran
Concen: 17.503 ng/ul
RT: 14.992 min Scan# 2007
Delta R.T. -0.000 min
Lab File: BM043671.D
Acq: 29 Dec 2023 11:58

Tgt Ion:168 Resp: 850926
Ion Ratio Lower Upper
168 100
139 40.3 31.8 47.8





#57

2,4-Dinitrotoluene

Concen: 21.553 ng/ul

RT: 14.969 min Scan# 2003

Delta R.T. -0.000 min

Lab File: BM043671.D

Acq: 29 Dec 2023 11:58

Instrument :

BNA_P

ClientSampleId :

GCF56MSD

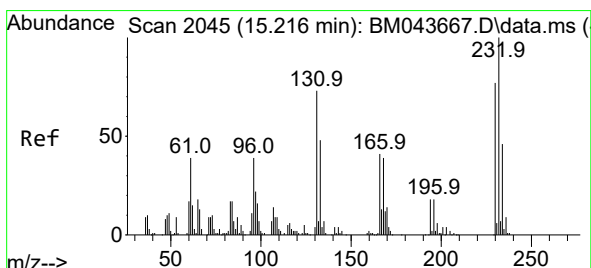
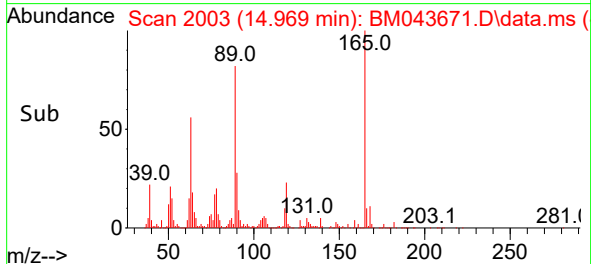
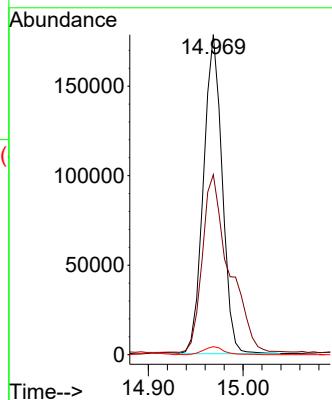
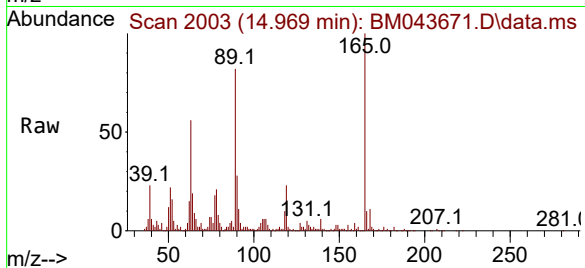
Tgt Ion:165 Resp: 243758

Ion Ratio Lower Upper

165 100

63 56.3 43.2 64.8

182 2.5 2.3 3.5



#58

2,3,4,6-Tetrachlorophenol

Concen: 21.595 ng/ul

RT: 15.216 min Scan# 2045

Delta R.T. -0.000 min

Lab File: BM043671.D

Acq: 29 Dec 2023 11:58

Tgt Ion:232 Resp: 177208

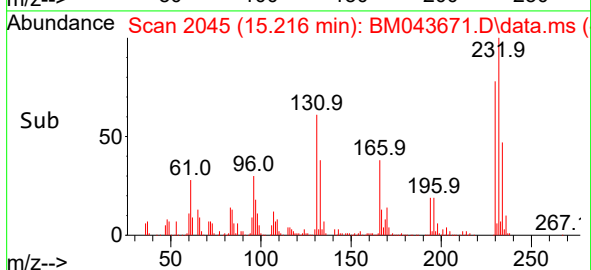
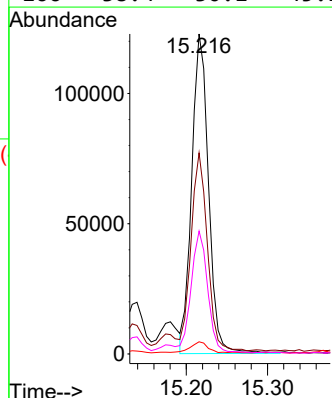
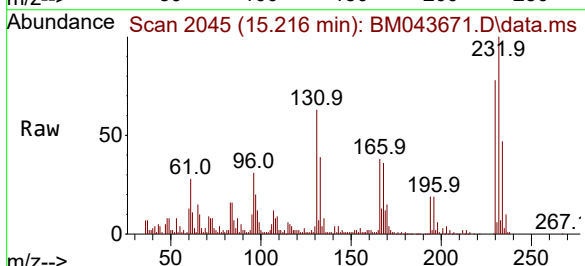
Ion Ratio Lower Upper

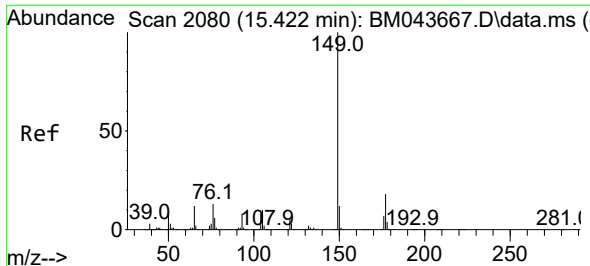
232 100

131 62.9 47.4 71.0

130 3.8 2.4 3.6#

166 38.4 30.1 45.1

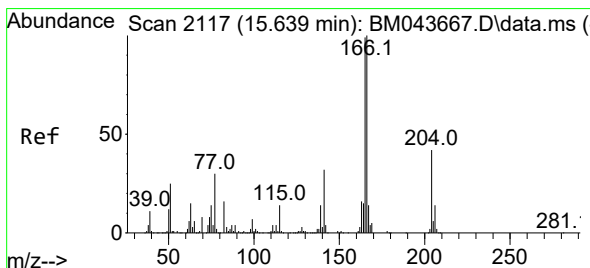
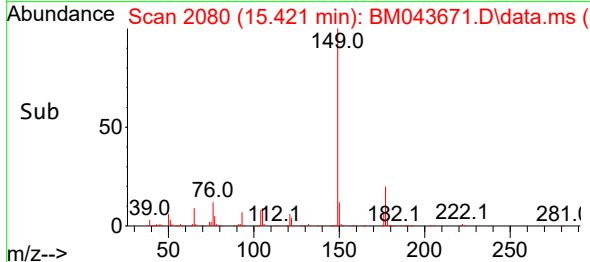
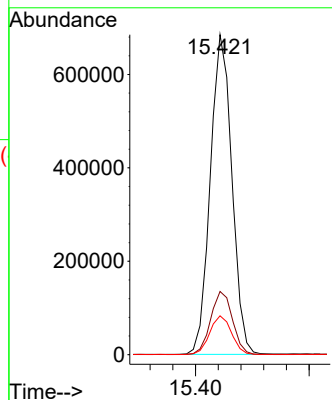
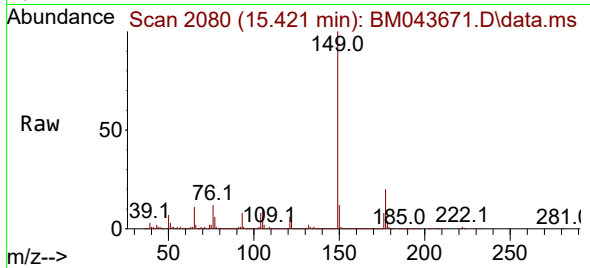




#59
Diethylphthalate
Concen: 21.298 ng/ul
RT: 15.421 min Scan# 2080
Delta R.T. -0.000 min
Lab File: BM043671.D
Acq: 29 Dec 2023 11:58

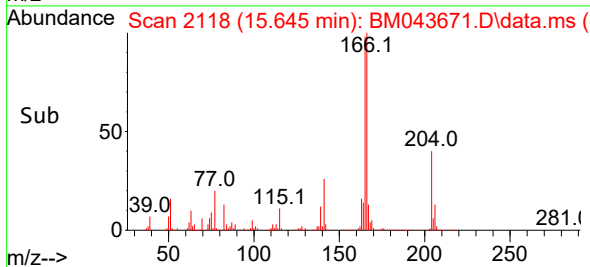
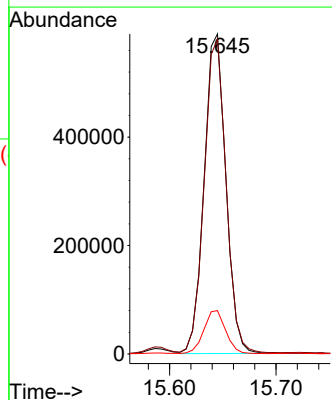
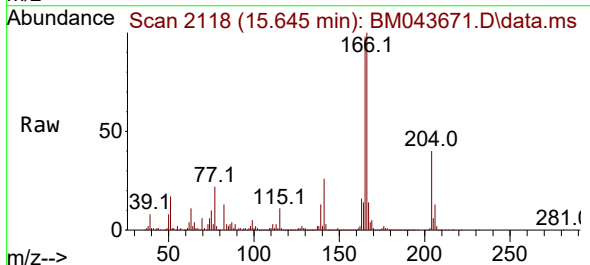
Instrument :
BNA_P
ClientSampleId :
GCF56MSD

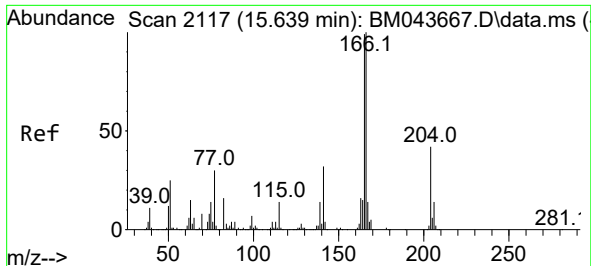
Tgt Ion:149 Resp: 903720
Ion Ratio Lower Upper
149 100
177 19.8 16.6 24.8
150 12.2 9.7 14.5



#61
Fluorene
Concen: 20.186 ng/ul
RT: 15.645 min Scan# 2118
Delta R.T. 0.006 min
Lab File: BM043671.D
Acq: 29 Dec 2023 11:58

Tgt Ion:166 Resp: 838384
Ion Ratio Lower Upper
166 100
165 98.4 76.9 115.3
167 13.6 10.9 16.3

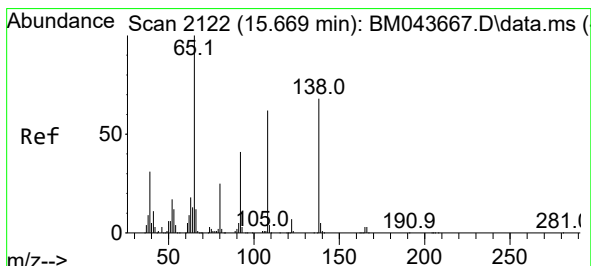
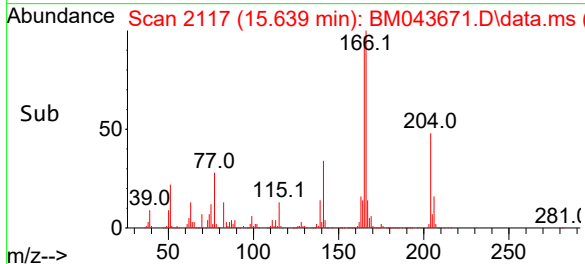
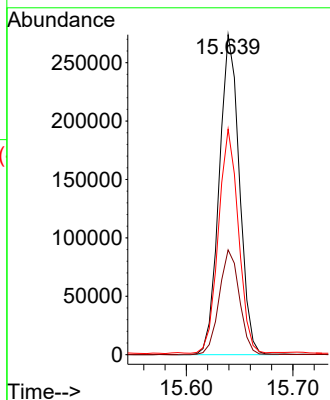
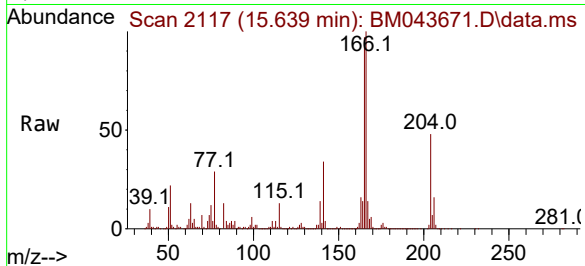




#62
4-Chlorophenyl-phenylether
Concen: 19.719 ng/ul
RT: 15.639 min Scan# 2117
Delta R.T. -0.000 min
Lab File: BM043671.D
Acq: 29 Dec 2023 11:58

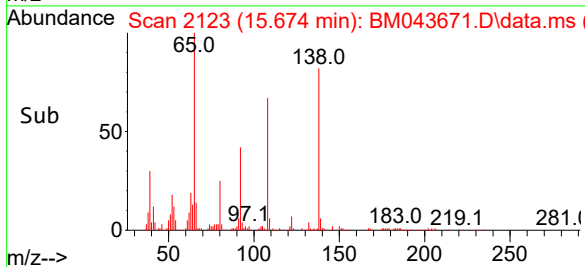
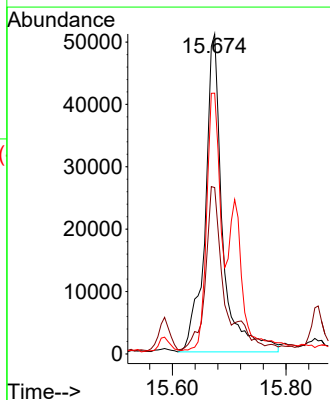
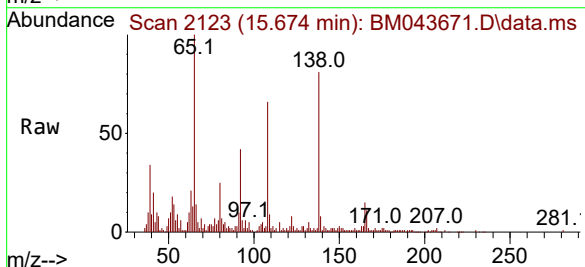
Instrument :
BNA_P
ClientSampleId :
GCF56MSD

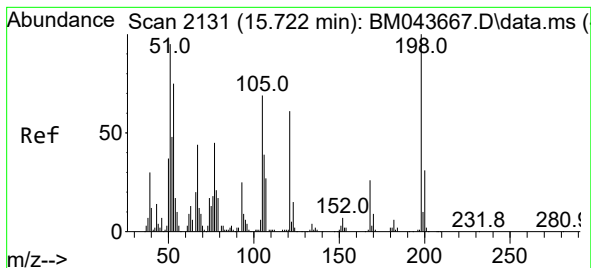
Tgt Ion:204 Resp: 360247
Ion Ratio Lower Upper
204 100
206 32.8 25.3 37.9
141 70.5 54.2 81.2



#63
4-Nitroaniline
Concen: 12.903 ng/ul
RT: 15.674 min Scan# 2123
Delta R.T. 0.006 min
Lab File: BM043671.D
Acq: 29 Dec 2023 11:58

Tgt Ion:138 Resp: 108536
Ion Ratio Lower Upper
138 100
92 52.0 43.9 65.9
108 81.5 67.0 100.6

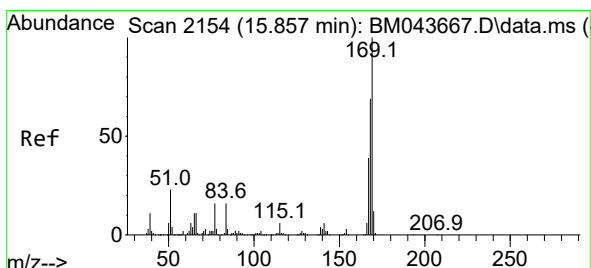
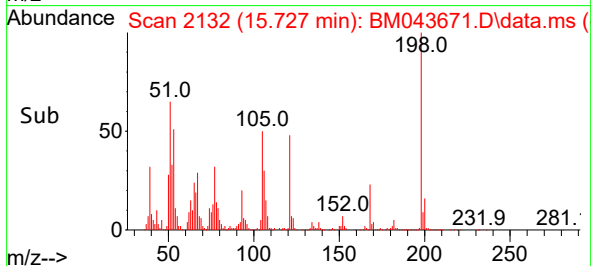
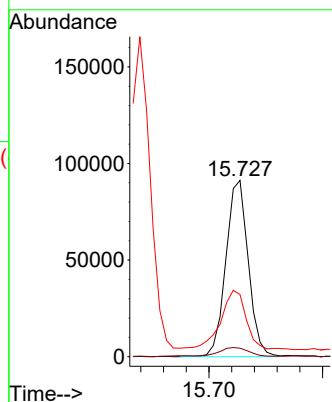
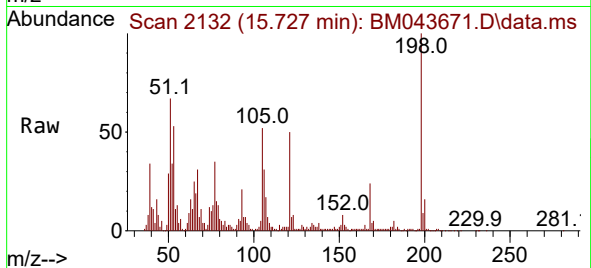




#66
 4,6-Dinitro-2-methylphenol
 Concen: 19.359 ng/ul
 RT: 15.727 min Scan# 2131
 Delta R.T. 0.006 min
 Lab File: BM043671.D
 Acq: 29 Dec 2023 11:58

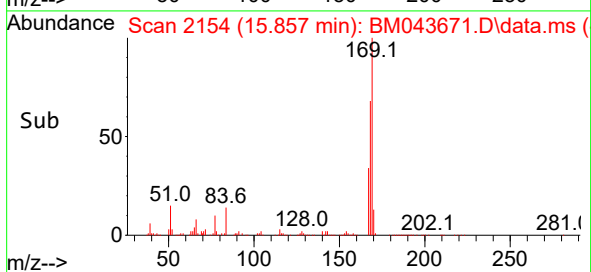
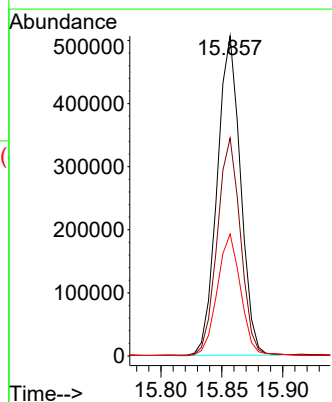
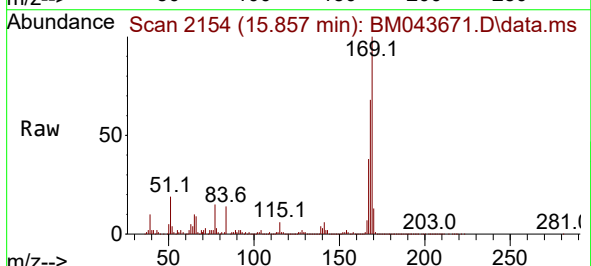
Instrument :
 BNA_P
 ClientSampleId :
 GCF56MSD

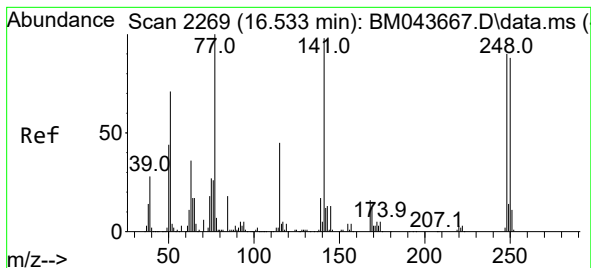
Tgt Ion:198 Resp: 124966
 Ion Ratio Lower Upper
 198 100
 182 4.8 3.8 5.6
 77 35.2 27.6 41.4



#67
 N-Nitrosodiphenylamine
 Concen: 19.235 ng/ul
 RT: 15.857 min Scan# 2154
 Delta R.T. -0.000 min
 Lab File: BM043671.D
 Acq: 29 Dec 2023 11:58

Tgt Ion:169 Resp: 675403
 Ion Ratio Lower Upper
 169 100
 168 68.1 54.1 81.1
 167 38.1 29.8 44.8

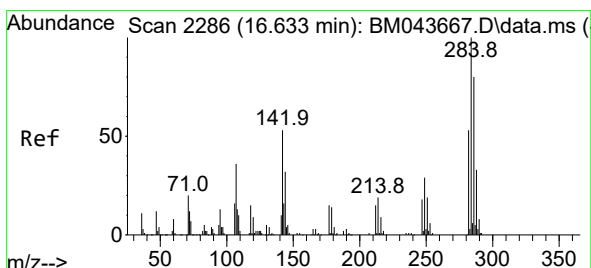
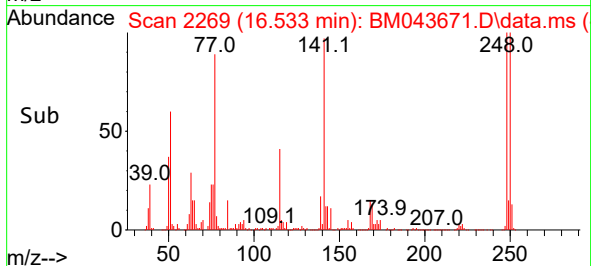
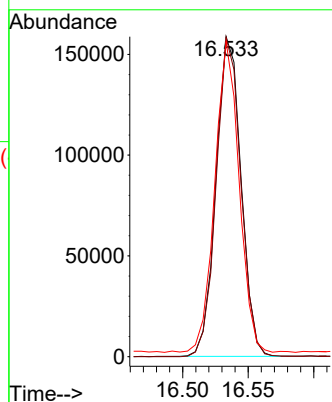
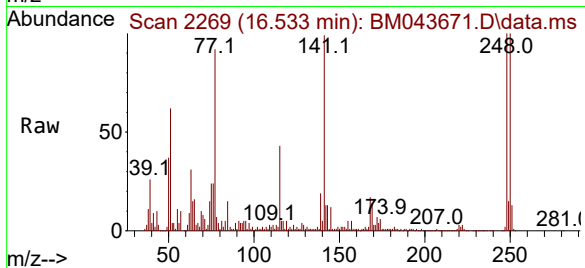




#68
4-Bromophenyl-phenylether
Concen: 19.471 ng/ul
RT: 16.533 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM043671.D
Acq: 29 Dec 2023 11:58

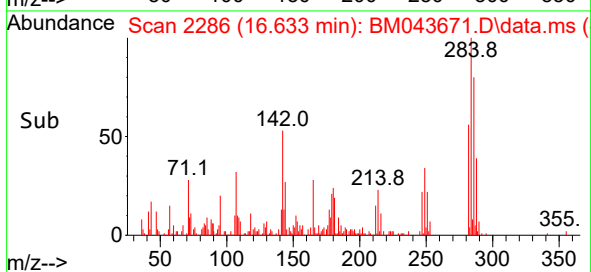
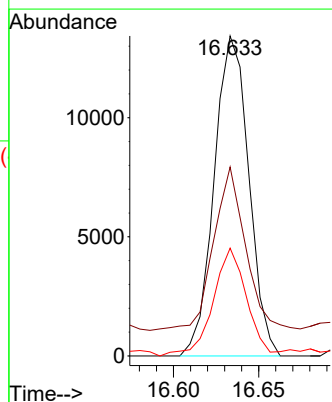
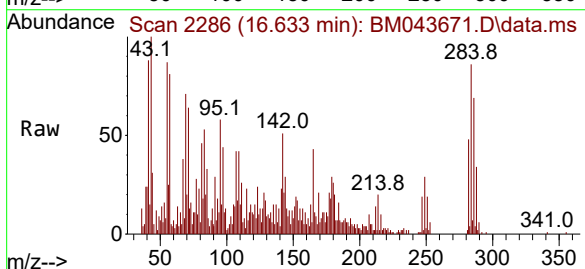
Instrument :
BNA_P
ClientSampleId :
GCF56MSD

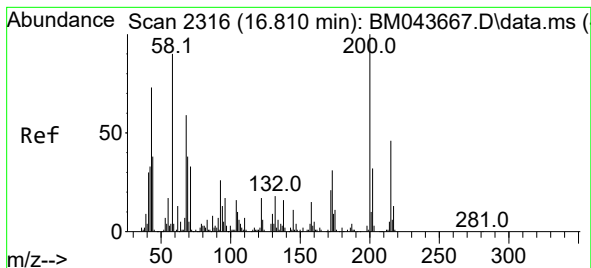
Tgt Ion:248 Resp: 210884
Ion Ratio Lower Upper
248 100
250 99.7 78.6 118.0
141 98.5 70.1 105.1



#69
Hexachlorobenzene
Concen: 1.532 ng/ul
RT: 16.633 min Scan# 2286
Delta R.T. -0.000 min
Lab File: BM043671.D
Acq: 29 Dec 2023 11:58

Tgt Ion:284 Resp: 19006
Ion Ratio Lower Upper
284 100
142 59.1 34.5 51.7#
249 33.7 23.8 35.6





#70

Atrazine

Concen: 27.668 ng/ul

RT: 16.816 min Scan# 21

Delta R.T. 0.006 min

Lab File: BM043671.D

Acq: 29 Dec 2023 11:58

Instrument :

BNA_P

ClientSampleId :

GCF56MSD

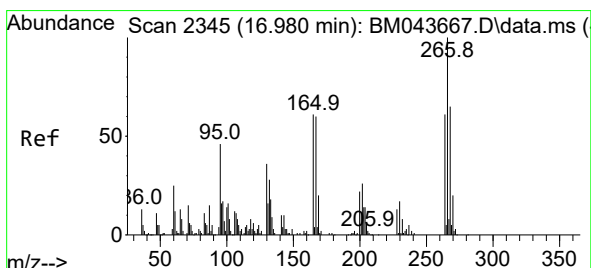
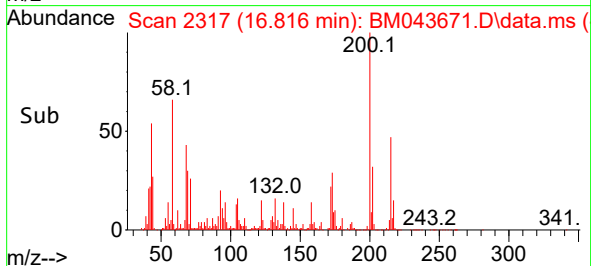
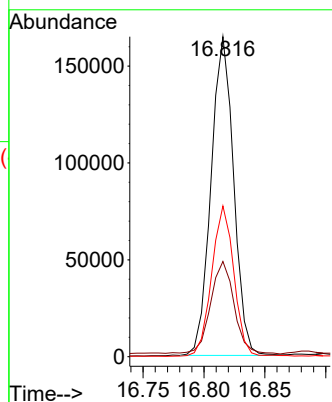
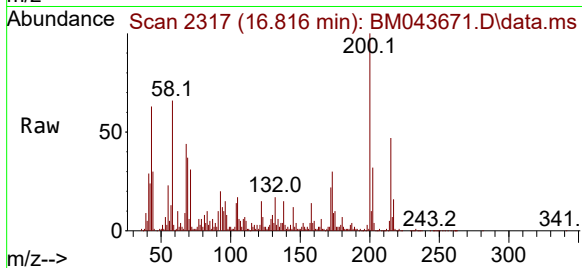
Tgt Ion:200 Resp: 212948

Ion Ratio Lower Upper

200 100

173 29.8 23.4 35.2

215 47.1 37.8 56.8



#71

Pentachlorophenol

Concen: 366.310 ng/ul

RT: 16.992 min Scan# 2347

Delta R.T. 0.012 min

Lab File: BM043671.D

Acq: 29 Dec 2023 11:58

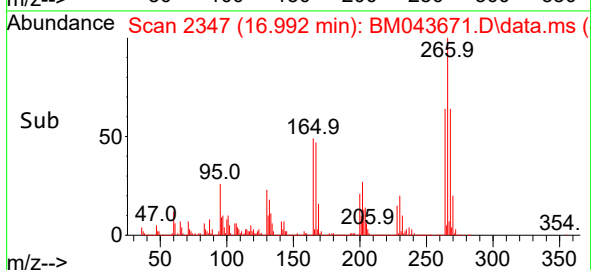
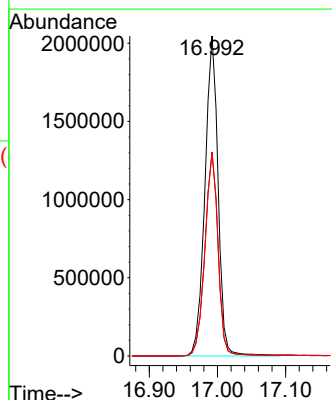
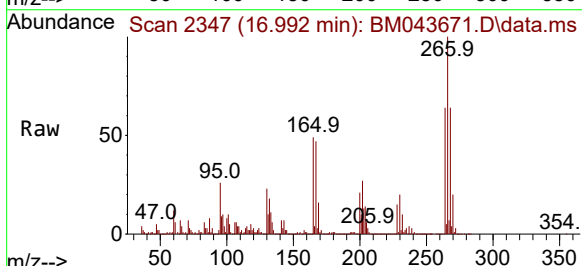
Tgt Ion:266 Resp: 2747789

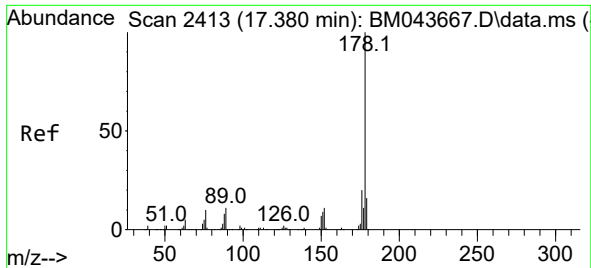
Ion Ratio Lower Upper

266 100

264 63.7 49.9 74.9

268 63.7 51.0 76.6

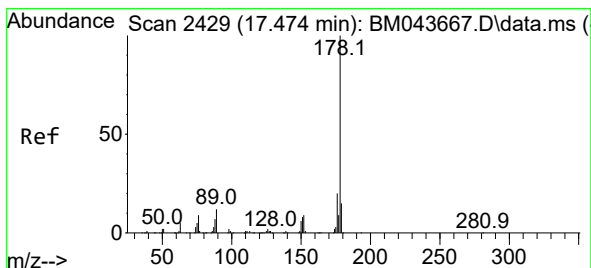
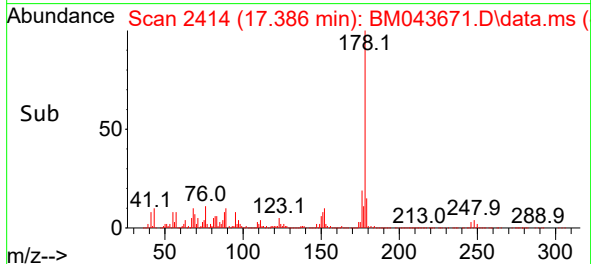
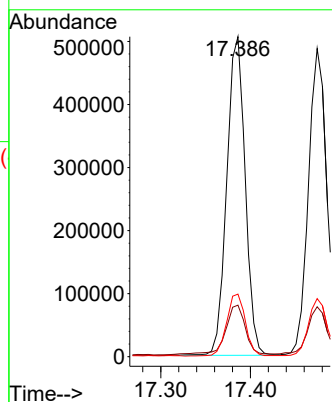
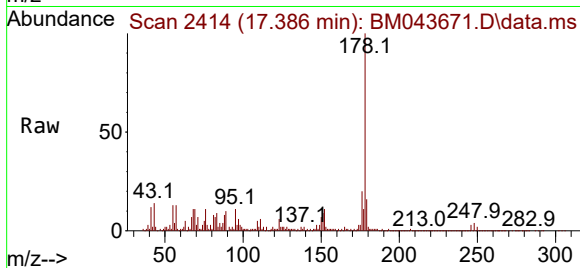




#72
Phenanthrene
Concen: 11.608 ng/ul
RT: 17.386 min Scan# 2413
Delta R.T. 0.006 min
Lab File: BM043671.D
Acq: 29 Dec 2023 11:58

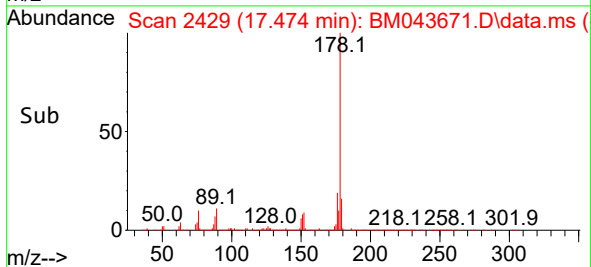
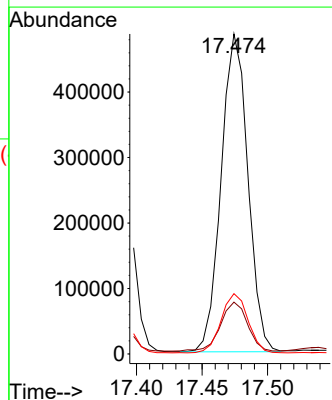
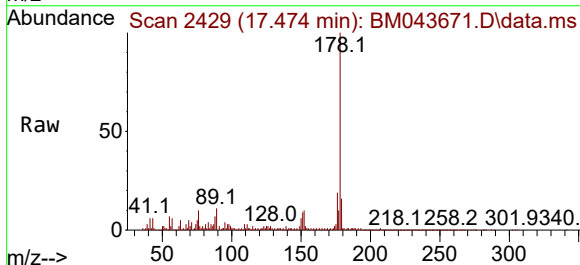
Instrument :
BNA_P
ClientSampleId :
GCF56MSD

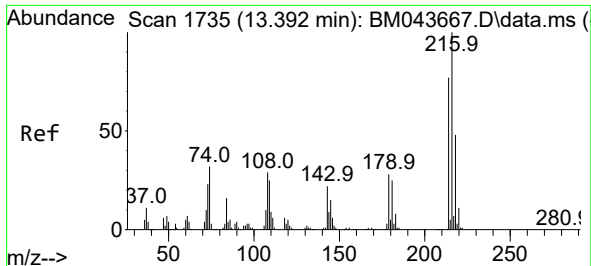
Tgt Ion:178 Resp: 719200
Ion Ratio Lower Upper
178 100
179 16.1 12.2 18.4
176 19.6 15.5 23.3



#74
Anthracene
Concen: 11.020 ng/ul
RT: 17.474 min Scan# 2429
Delta R.T. -0.000 min
Lab File: BM043671.D
Acq: 29 Dec 2023 11:58

Tgt Ion:178 Resp: 689060
Ion Ratio Lower Upper
178 100
179 16.2 12.4 18.6
176 18.8 15.2 22.8

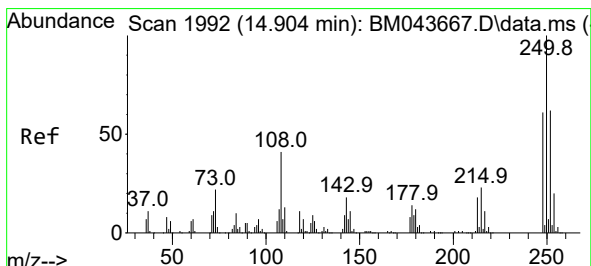
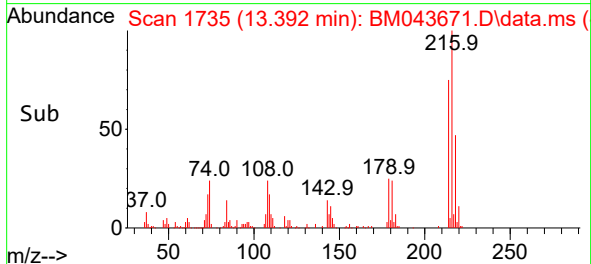
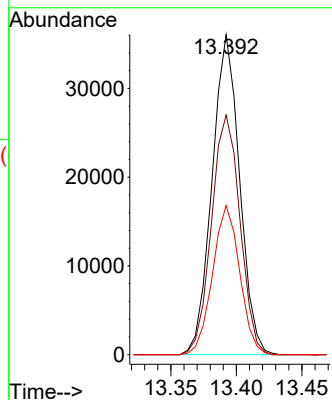
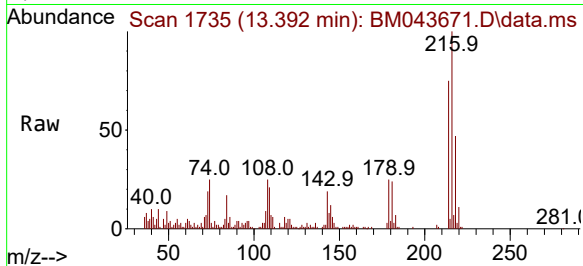




#75
1,2,3,4-Tetrachlorobenzene
Concen: 3.506 ng/uL
RT: 13.392 min Scan# 1735
Delta R.T. -0.000 min
Lab File: BM043671.D
Acq: 29 Dec 2023 11:58

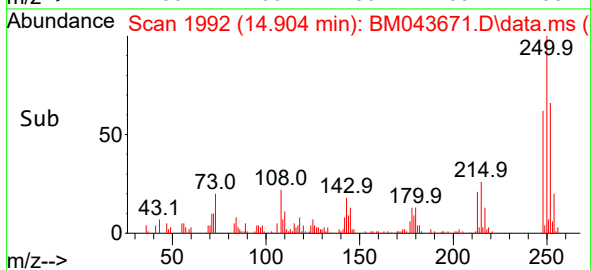
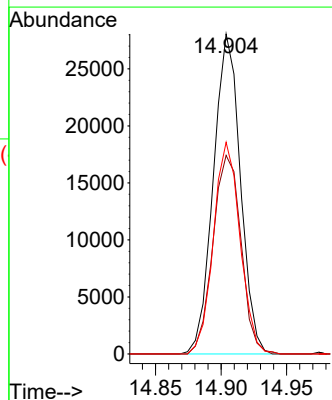
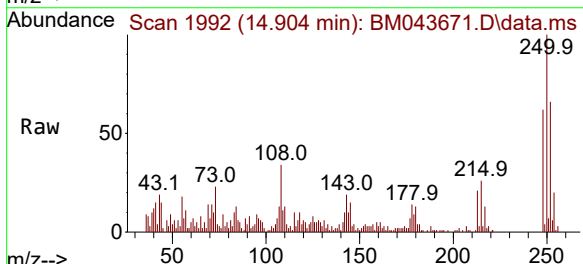
Instrument :
BNA_P
ClientSampleId :
GCF56MSD

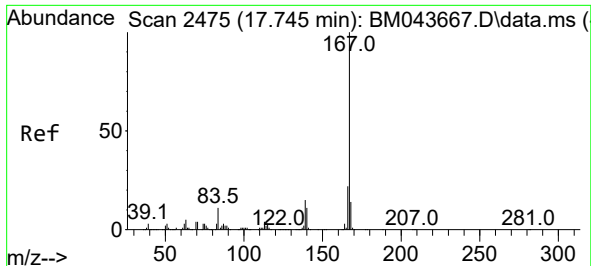
Tgt Ion:216 Resp: 52642
Ion Ratio Lower Upper
216 100
214 74.9 63.0 94.6
218 46.6 38.6 57.8



#76
Pentachlorobenzene
Concen: 2.749 ng/uL
RT: 14.904 min Scan# 1992
Delta R.T. -0.000 min
Lab File: BM043671.D
Acq: 29 Dec 2023 11:58

Tgt Ion:250 Resp: 40182
Ion Ratio Lower Upper
250 100
248 62.1 49.0 73.4
252 66.2 49.6 74.4

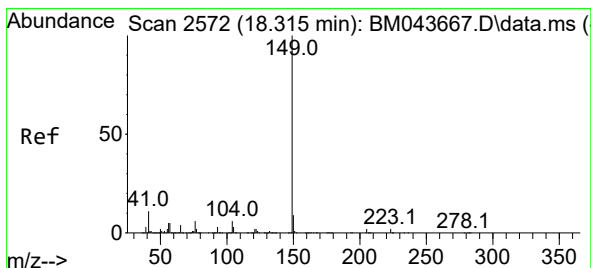
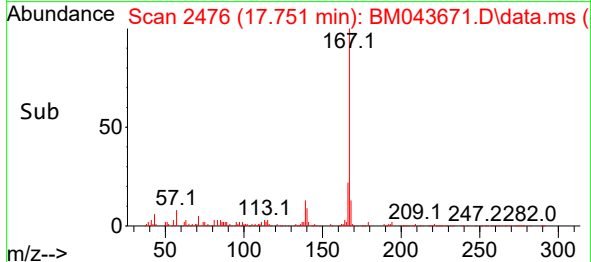
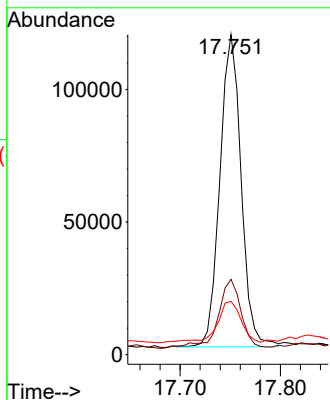
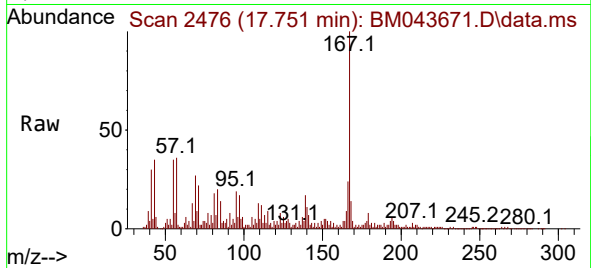




#77
 Carbazole
 Concen: 3.242 ng/ul
 RT: 17.751 min Scan# 2476
 Delta R.T. 0.006 min
 Lab File: BM043671.D
 Acq: 29 Dec 2023 11:58

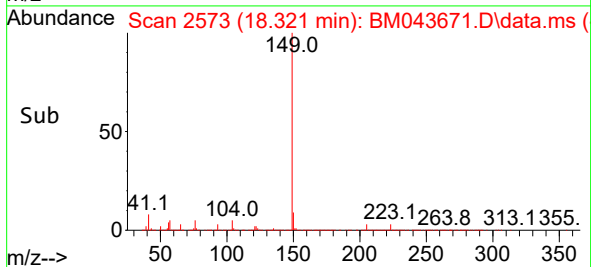
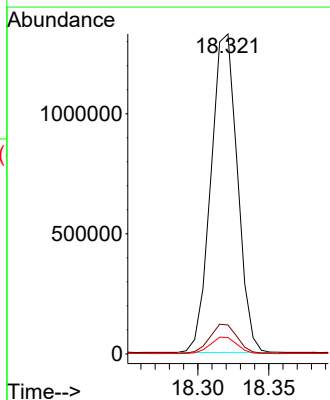
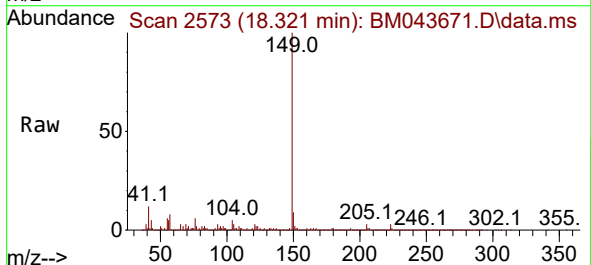
Instrument :
 BNA_P
 ClientSampleId :
 GCF56MSD

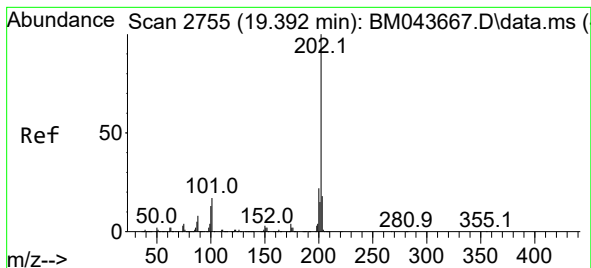
Tgt Ion:167 Resp: 173010
 Ion Ratio Lower Upper
 167 100
 166 23.6 17.3 25.9
 139 16.7 10.7 16.1#



#78
 Di-n-butylphthalate
 Concen: 24.694 ng/ul
 RT: 18.321 min Scan# 2573
 Delta R.T. 0.006 min
 Lab File: BM043671.D
 Acq: 29 Dec 2023 11:58

Tgt Ion:149 Resp: 1722895
 Ion Ratio Lower Upper
 149 100
 150 9.0 7.4 11.0
 104 5.1 4.2 6.2





#80

Fluoranthene

Concen: 9.675 ng/ul

RT: 19.398 min Scan# 21

Delta R.T. 0.006 min

Lab File: BM043671.D

Acq: 29 Dec 2023 11:58

Instrument :

BNA_P

ClientSampleId :

GCF56MSD

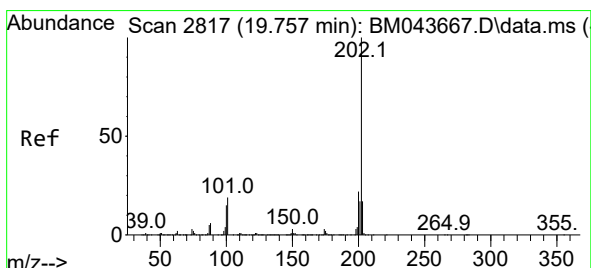
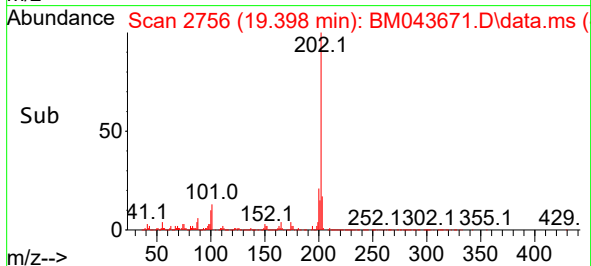
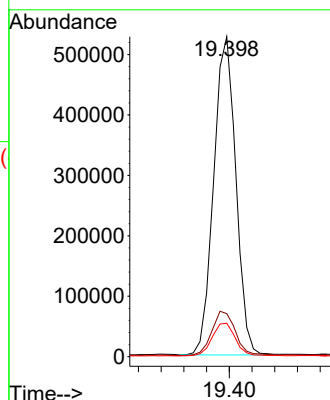
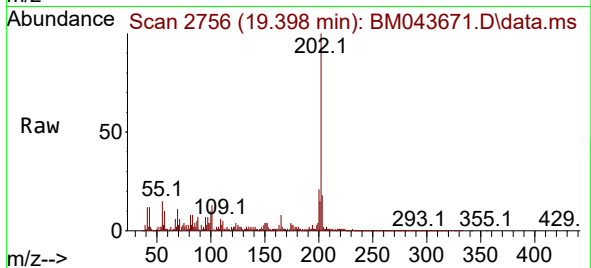
Tgt Ion:202 Resp: 714199

Ion Ratio Lower Upper

202 100

101 13.4 11.4 17.0

100 10.5 8.2 12.4



#82

Pyrene

Concen: 1.707 ng/ul

RT: 19.756 min Scan# 2817

Delta R.T. -0.000 min

Lab File: BM043671.D

Acq: 29 Dec 2023 11:58

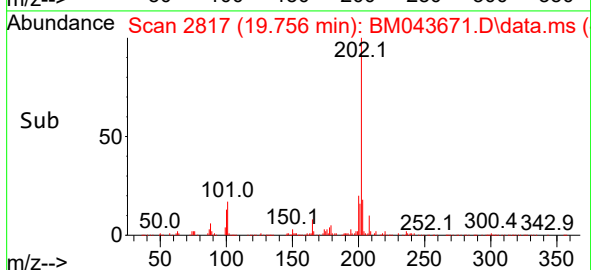
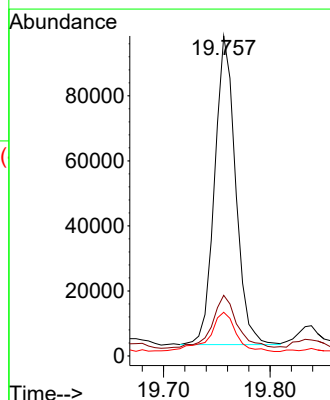
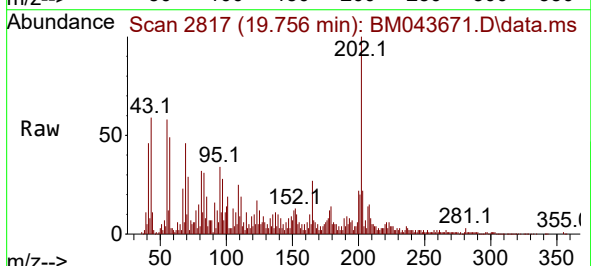
Tgt Ion:202 Resp: 129507

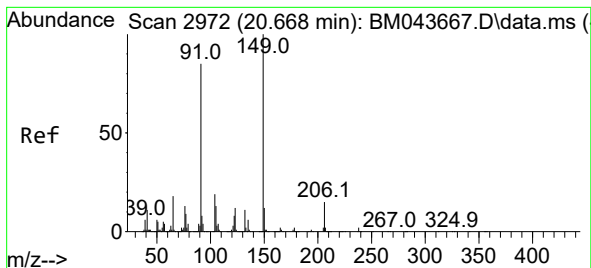
Ion Ratio Lower Upper

202 100

101 19.0 12.7 19.1

100 13.7 10.1 15.1





#83

Butylbenzylphthalate

Concen: 24.304 ng/ul

RT: 20.668 min Scan# 2972

Delta R.T. -0.000 min

Lab File: BM043671.D

Acq: 29 Dec 2023 11:58

Instrument :

BNA_P

ClientSampleId :

GCF56MSD

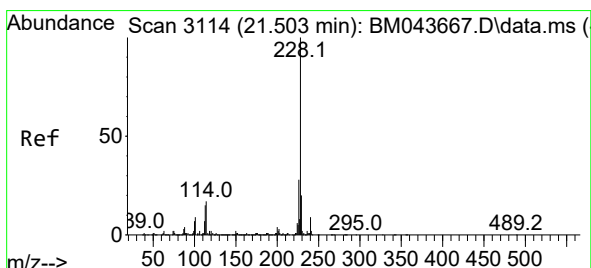
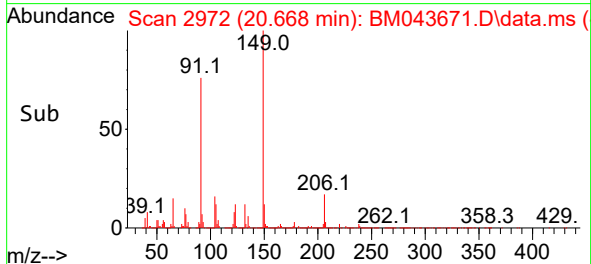
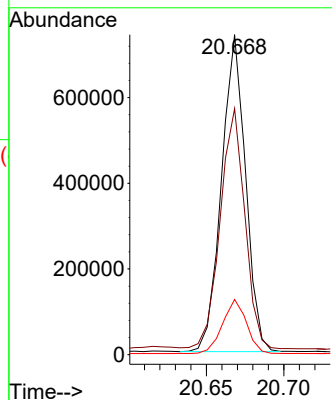
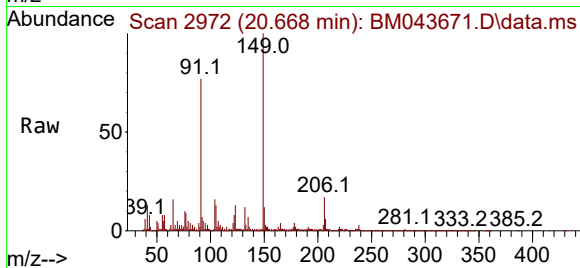
Tgt Ion:149 Resp: 797377

Ion Ratio Lower Upper

149 100

91 76.9 60.5 90.7

206 17.3 13.9 20.9



#85

Benzo(a)anthracene

Concen: 12.327 ng/ul

RT: 21.509 min Scan# 3115

Delta R.T. 0.006 min

Lab File: BM043671.D

Acq: 29 Dec 2023 11:58

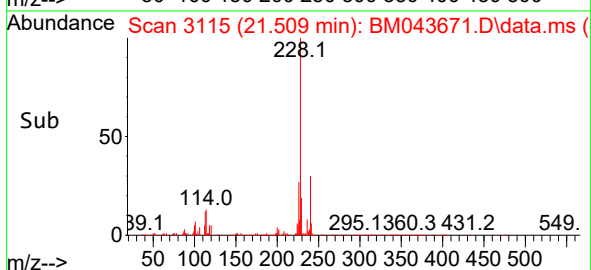
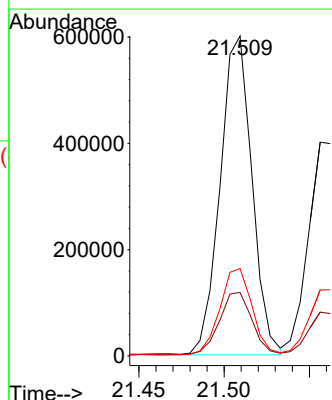
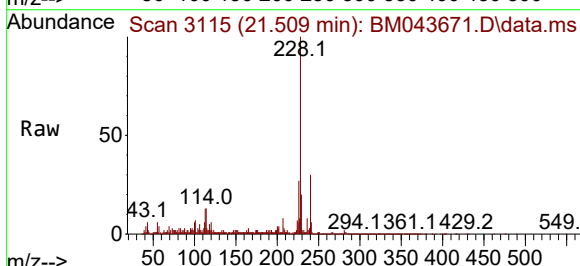
Tgt Ion:228 Resp: 778246

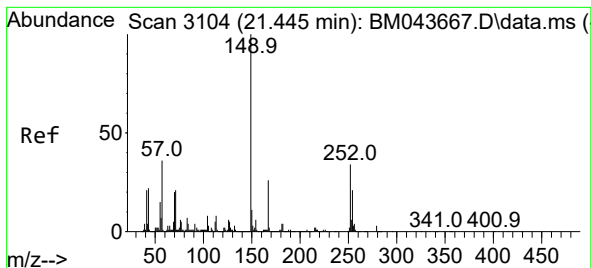
Ion Ratio Lower Upper

228 100

229 19.8 15.6 23.4

226 27.3 22.2 33.2

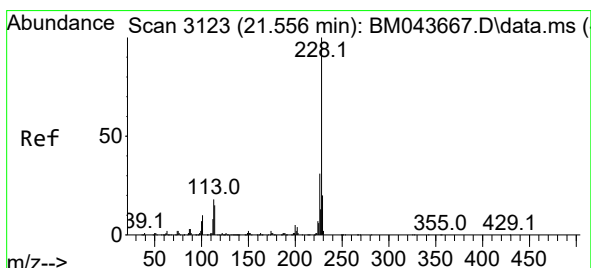
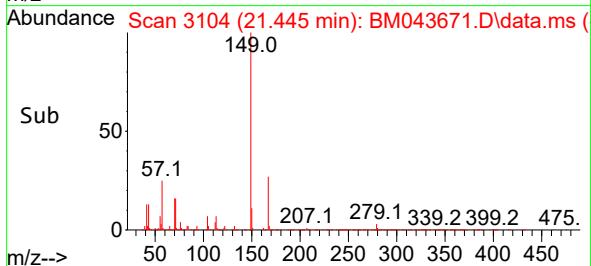
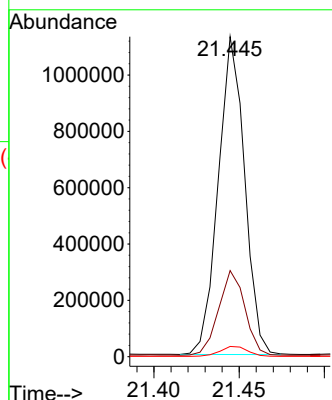
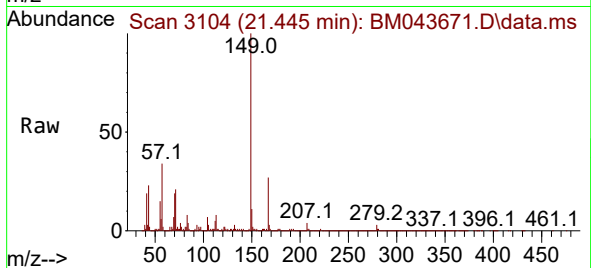




#86
 Bis(2-ethylhexyl)phthalate
 Concen: 26.035 ng/ul
 RT: 21.445 min Scan# 3104
 Delta R.T. -0.000 min
 Lab File: BM043671.D
 Acq: 29 Dec 2023 11:58

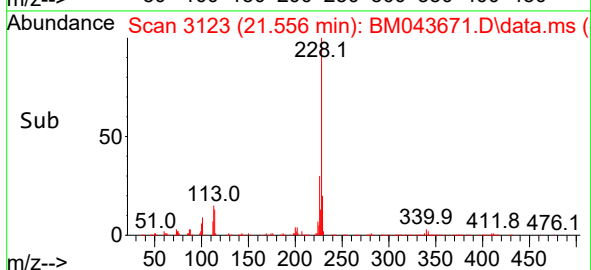
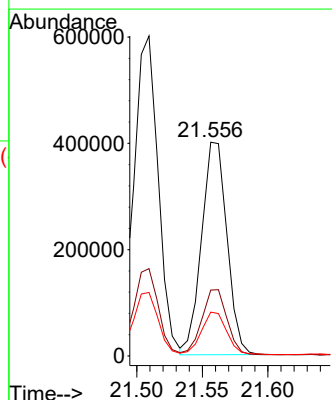
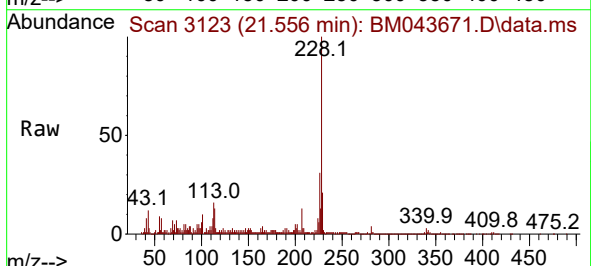
Instrument :
 BNA_P
 ClientSampleId :
 GCF56MSD

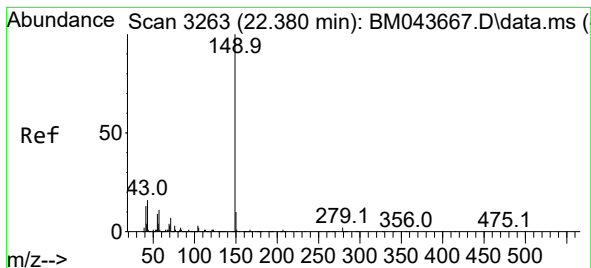
Tgt Ion:149 Resp: 1216071
 Ion Ratio Lower Upper
 149 100
 167 26.9 21.6 32.4
 279 3.2 2.8 4.2



#87
 Chrysene
 Concen: 9.518 ng/ul
 RT: 21.556 min Scan# 3123
 Delta R.T. -0.000 min
 Lab File: BM043671.D
 Acq: 29 Dec 2023 11:58

Tgt Ion:228 Resp: 540580
 Ion Ratio Lower Upper
 228 100
 226 30.9 24.2 36.2
 229 20.5 15.9 23.9





#89

Di-n-octyl phthalate

Concen: 25.447 ng/ul

RT: 22.386 min Scan# 31

Delta R.T. 0.006 min

Lab File: BM043671.D

Acq: 29 Dec 2023 11:58

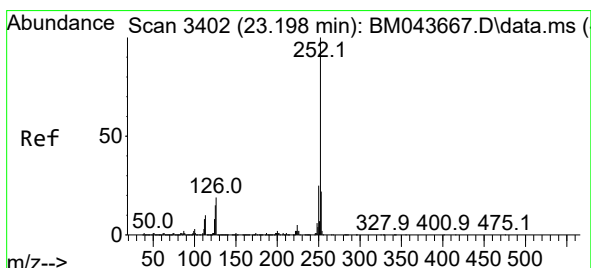
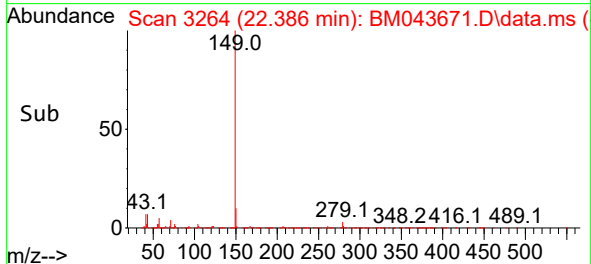
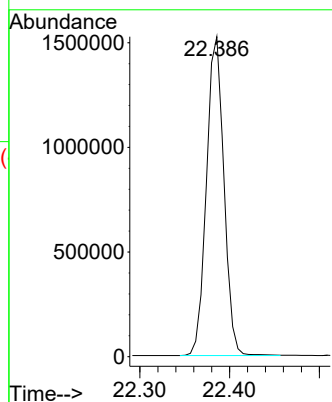
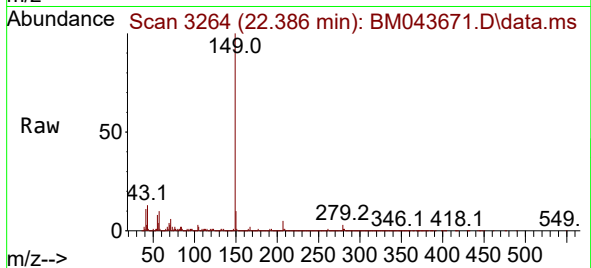
Instrument :

BNA_P

ClientSampleId :

GCF56MSD

Tgt Ion:149 Resp: 2058068



#90

Benzo(b)fluoranthene

Concen: 7.887 ng/ul

RT: 23.197 min Scan# 3402

Delta R.T. -0.000 min

Lab File: BM043671.D

Acq: 29 Dec 2023 11:58

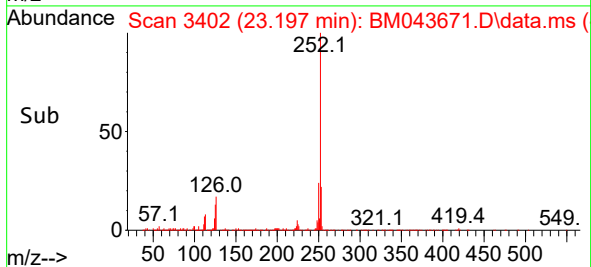
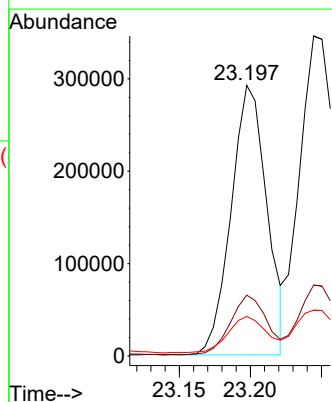
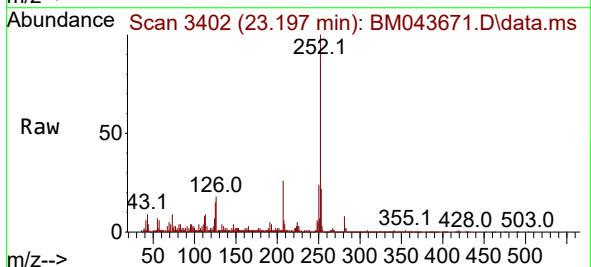
Tgt Ion:252 Resp: 510964

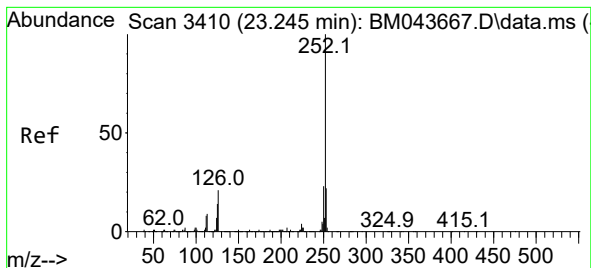
Ion Ratio Lower Upper

252 100

253 22.5 17.4 26.2

125 14.6 10.4 15.6





#91

Benzo(k)fluoranthene

Concen: 9.904 ng/ul

RT: 23.244 min Scan# 3410

Delta R.T. -0.000 min

Lab File: BM043671.D

Acq: 29 Dec 2023 11:58

Instrument :

BNA_P

ClientSampleId :

GCF56MSD

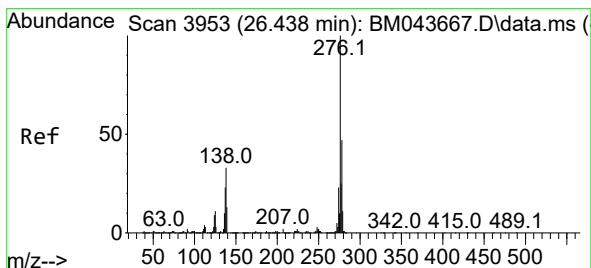
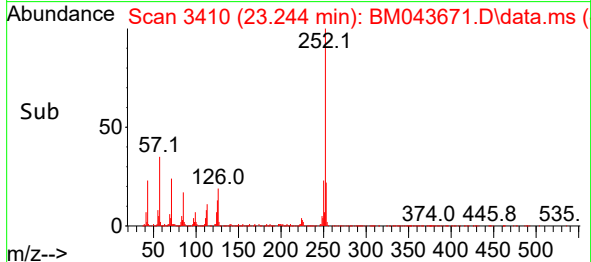
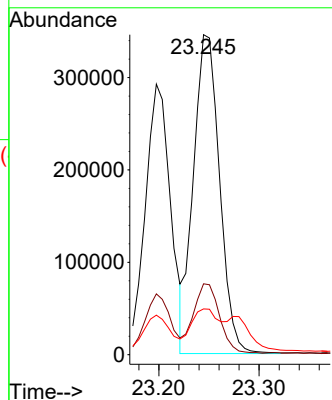
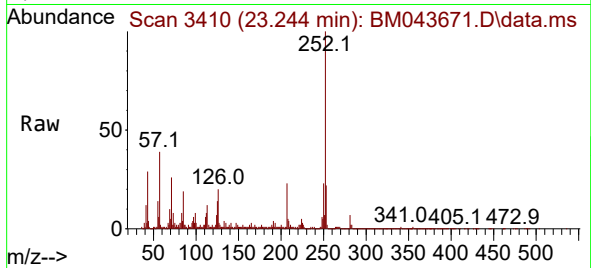
Tgt Ion:252 Resp: 625857

Ion Ratio Lower Upper

252 100

253 22.2 17.5 26.3

125 14.3 10.2 15.4



#94

Indeno(1,2,3-cd)pyrene

Concen: 3.627 ng/ul

RT: 26.480 min Scan# 3960

Delta R.T. 0.041 min

Lab File: BM043671.D

Acq: 29 Dec 2023 11:58

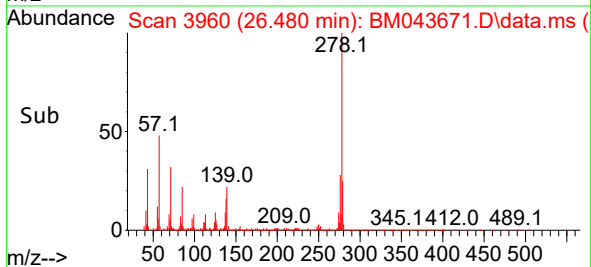
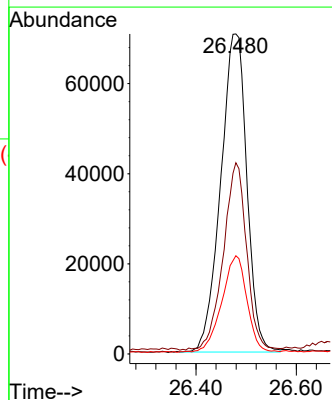
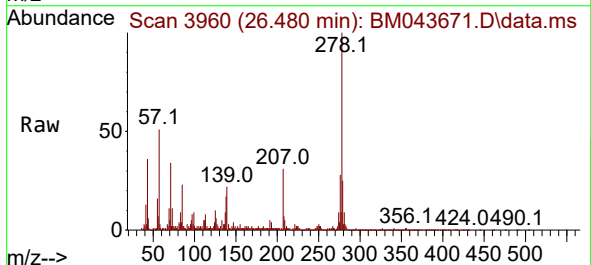
Tgt Ion:276 Resp: 255973

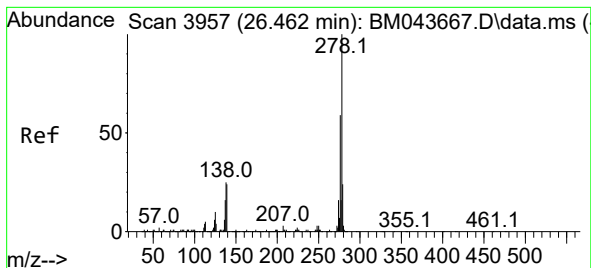
Ion Ratio Lower Upper

276 100

138 59.8 22.6 34.0#

277 30.7 19.7 29.5#





#95

Dibenzo(a,h)anthracene

Concen: 13.337 ng/ul

RT: 26.485 min Scan# 3957

Delta R.T. 0.023 min

Lab File: BM043671.D

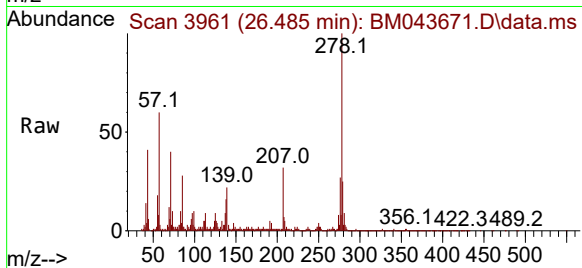
Acq: 29 Dec 2023 11:58

Instrument :

BNA_P

ClientSampleId :

GCF56MSD



Tgt Ion:278 Resp: 779485

Ion Ratio Lower Upper

278 100

139 21.7 16.0 24.0

279 24.6 19.4 29.0

