

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121022\
 Data File : BM037941.D
 Acq On : 10 Dec 2022 19:06
 Operator : CG/JU
 Sample : PB149543BS
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SLCS543

Quant Time: Dec 11 21:28:35 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM120722.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Dec 09 21:34:57 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.081	152	206537	20.000	ng/u1	0.00
20) Naphthalene-d8	10.898	136	789364	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.710	164	431781	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.451	188	842446	20.000	ng/u1	0.00
79) Chrysene-d12	21.621	240	824120	20.000	ng/u1	0.00
88) Perylene-d12	24.097	264	909631	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.422	96	24301	5.342	ng/uL	0.00
4) Pyridine-d5	3.857	84	343396	25.448	ng/u1	0.00
7) Phenol-d5	7.234	99	448944	26.749	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.404	67	277206	27.125	ng/u1	0.00
11) 2-Chlorophenol-d4	7.604	132	387035	28.111	ng/u1	0.00
15) 4-Methylphenol-d8	8.792	113	340167	25.965	ng/u1	0.00
21) Nitrobenzene-d5	9.251	128	184980	29.598	ng/u1	0.00
24) 2-Nitrophenol-d4	9.975	143	197634	30.175	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.516	165	358591	28.825	ng/u1	0.00
31) 4-Chloroaniline-d4	11.039	131	439705	25.606	ng/u1	0.00
46) Dimethylphthalate-d6	14.116	166	915270	29.733	ng/u1	0.00
49) Acenaphthylene-d8	14.404	160	1110993	29.530	ng/u1	0.00
54) 4-Nitrophenol-d4	14.904	143	158700	30.250	ng/u1	0.00
60) Fluorene-d10	15.698	176	817362	29.803	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.815	200	126163	28.011	ng/u1	0.00
73) Anthracene-d10	17.545	188	1219779	31.024	ng/u1	0.00
81) Pyrene-d10	19.827	212	1396409	28.207	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.938	264	1458462	32.101	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.457	88	49763	10.429	ng/uL	93
5) Pyridine	3.875	79	342390	25.249	ng/u1	97
6) Benzaldehyde	7.210	77	247141	39.371	ng/u1	97
8) Phenol	7.263	94	441217	26.212	ng/u1	97
10) Bis(2-Chloroethyl)ether	7.498	93	367031	26.554	ng/u1	97
12) 2-Chlorophenol	7.640	128	395055	28.056	ng/u1	98
13) 2-Methylphenol	8.522	108	336902	26.154	ng/u1	97
14) 2,2'-oxybis(1-Chloropr...	8.610	45	656249	26.294	ng/u1	99
16) Acetophenone	8.910	105	537919	26.107	ng/u1	99
17) N-Nitroso-di-n-propyla...	8.898	70	259776	26.764	ng/u1	98
18) 4-Methylphenol	8.857	108	355329	25.500	ng/u1	99
19) Hexachloroethane	9.169	117	162359	28.842	ng/u1	100
22) Nitrobenzene	9.298	77	393271	29.244	ng/u1	98
23) Isophorone	9.822	82	705385	28.625	ng/u1	99
25) 2-Nitrophenol	10.010	139	205458	29.922	ng/u1	94
26) 2,4-Dimethylphenol	10.063	107	349521	26.322	ng/u1	99
27) Bis(2-Chloroethoxy)met...	10.304	93	451106	27.539	ng/u1	99
29) 2,4-Dichlorophenol	10.545	162	350452	28.713	ng/u1	98
30) Naphthalene	10.951	128	1229931	28.873	ng/u1	100
32) 4-Chloroaniline	11.063	127	426960	24.933	ng/u1	99
33) Hexachlorobutadiene	11.228	225	252476	31.444	ng/u1	99
34) Caprolactam	11.845	113	88507	28.269	ng/u1	95
35) 4-Chloro-3-methylphenol	12.175	107	311440	28.032	ng/u1	99
36) 2-Methylnaphthalene	12.545	142	787786	28.513	ng/u1	99

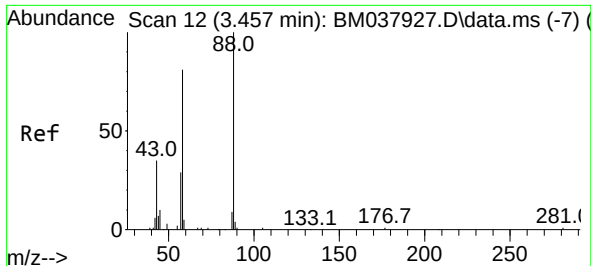
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121022\
 Data File : BM037941.D
 Acq On : 10 Dec 2022 19:06
 Operator : CG/JU
 Sample : PB149543BS
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SLCS543

Quant Time: Dec 11 21:28:35 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM120722.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Dec 09 21:34:57 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.763	142	784474	27.767	ng/ul	99
39) 1,2,4,5-Tetrachloroben...	12.910	216	431515	30.586	ng/ul	98
40) Hexachlorocyclopentadiene	12.886	237	137818	17.077	ng/ul	98
41) 2,4,6-Trichlorophenol	13.151	196	260950	30.366	ng/ul	99
42) 2,4,5-Trichlorophenol	13.222	196	273998	30.572	ng/ul	99
43) 1,1'-Biphenyl	13.545	154	993884	28.636	ng/ul	99
44) 2-Chloronaphthalene	13.592	162	782667	29.232	ng/ul	98
45) 2-Nitroaniline	13.798	65	194097	30.087	ng/ul	98
47) Dimethylphthalate	14.163	163	910374	29.975	ng/ul	100
48) 2,6-Dinitrotoluene	14.286	165	180957	30.674	ng/ul	96
50) Acenaphthylene	14.433	152	1206959	29.175	ng/ul	99
51) 3-Nitroaniline	14.616	138	187462	31.849	ng/ul	99
52) Acenaphthene	14.774	153	839984	29.356	ng/ul	100
53) 2,4-Dinitrophenol	14.821	184	82396	28.463	ng/ul	95
55) 4-Nitrophenol	14.916	109	110670	31.988	ng/ul	97
56) Dibenzofuran	15.104	168	1126312	28.831	ng/ul	99
57) 2,4-Dinitrotoluene	15.068	165	251697	31.505	ng/ul	97
58) 2,3,4,6-Tetrachlorophenol	15.327	232	234508	31.106	ng/ul	95
59) Diethylphthalate	15.515	149	909390	30.056	ng/ul	99
61) Fluorene	15.751	166	925109	29.037	ng/ul	98
62) 4-Chlorophenyl-phenyle...	15.739	204	468926	30.118	ng/ul	97
63) 4-Nitroaniline	15.774	138	200333	37.538	ng/ul	93
66) 4,6-Dinitro-2-methylph...	15.827	198	124694	28.597	ng/ul	98
67) N-Nitrosodiphenylamine	15.957	169	762640	30.011	ng/ul	99
68) 4-Bromophenyl-phenylether	16.633	248	280816	30.408	ng/ul	99
69) Hexachlorobenzene	16.751	284	336465	30.523	ng/ul	96
70) Atrazine	16.904	200	236993	27.290	ng/ul	98
71) Pentachlorophenol	17.098	266	192921	31.478	ng/ul	99
72) Phenanthrene	17.492	178	1388978	30.191	ng/ul	100
74) Anthracene	17.580	178	1416852	30.305	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.516	216	414810	30.457	ng/ul	99
76) Pentachlorobenzene	15.021	250	398913	29.568	ng/ul	100
77) Carbazole	17.851	167	1271848	31.399	ng/ul	99
78) Di-n-butylphthalate	18.404	149	1505772	31.274	ng/ul	100
80) Fluoranthene	19.498	202	1611164	27.576	ng/ul	99
82) Pyrene	19.856	202	1731561	28.477	ng/ul	99
83) Butylbenzylphthalate	20.739	149	648127	28.665	ng/ul	99
84) 3,3'-Dichlorobenzidine	21.533	252	547801	33.592	ng/ul	98
85) Benzo(a)anthracene	21.603	228	1733696	31.248	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.509	149	914870	27.814	ng/ul	99
87) Chrysene	21.656	228	1600284	30.741	ng/ul	99
89) Di-n-octyl phthalate	22.456	149	1617322	27.748	ng/ul	100
90) Benzo(b)fluoranthene	23.339	252	1725389	30.596	ng/ul	99
91) Benzo(k)fluoranthene	23.391	252	1732209	31.694	ng/ul	99
93) Benzo(a)pyrene	23.991	252	1551636	31.289	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	26.697	276	1820125	28.498	ng/ul	100
95) Dibenzo(a,h)anthracene	26.709	278	1642828	30.512	ng/ul	99
96) Benzo(g,h,i)perylene	27.497	276	1466164	28.752	ng/ul	98

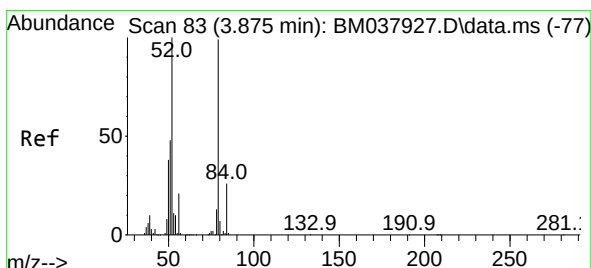
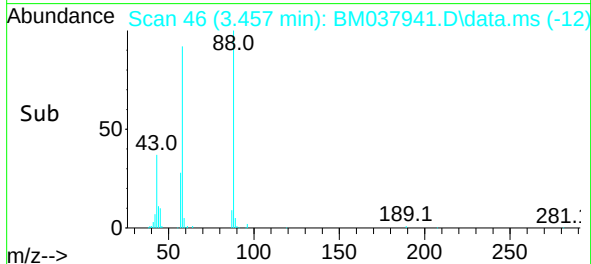
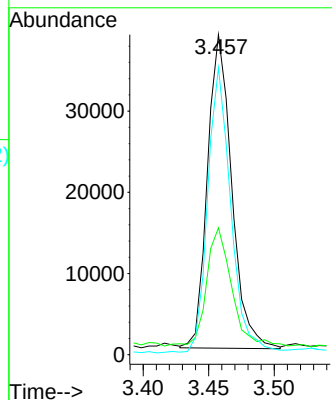
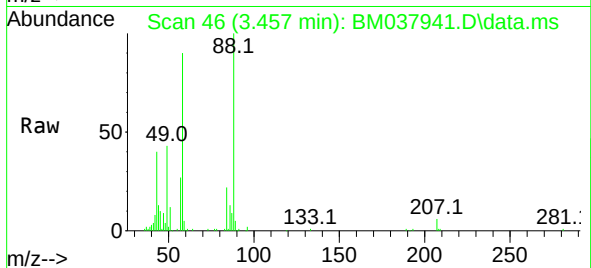
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
1,4-Dioxane
Concen: 10.429 ng/uL
RT: 3.457 min Scan# 41
Delta R.T. -0.000 min
Lab File: BM037941.D
Acq: 10 Dec 2022 19:06

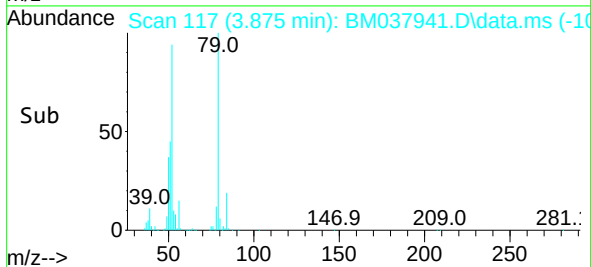
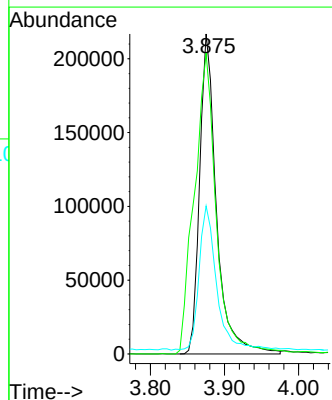
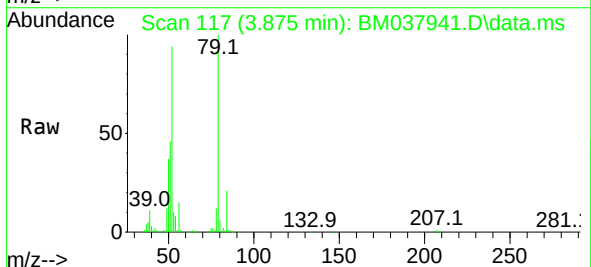
Instrument :
BNA_M
ClientSampleId :
SLCS543

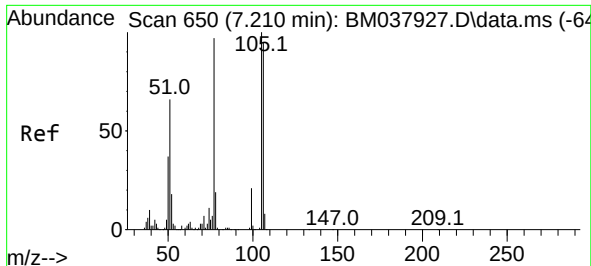
Tgt Ion: 88 Resp: 49763
Ion Ratio Lower Upper
88 100
43 39.6 32.8 49.2
58 89.7 64.6 97.0



#5
Pyridine
Concen: 25.249 ng/uL
RT: 3.875 min Scan# 117
Delta R.T. -0.000 min
Lab File: BM037941.D
Acq: 10 Dec 2022 19:06

Tgt Ion: 79 Resp: 342390
Ion Ratio Lower Upper
79 100
52 94.0 78.1 117.1
51 46.3 37.2 55.8

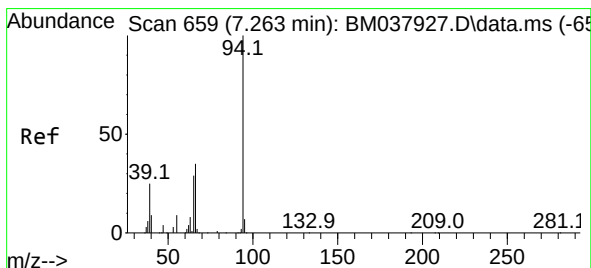
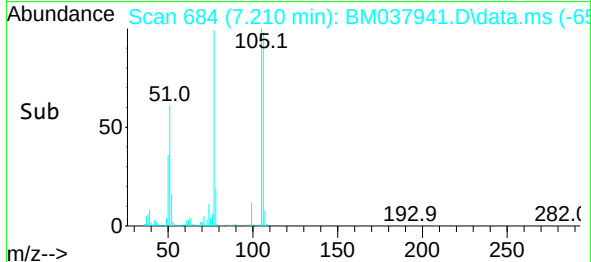
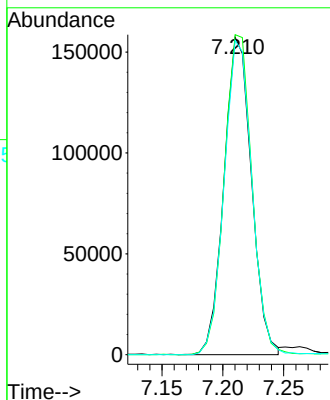
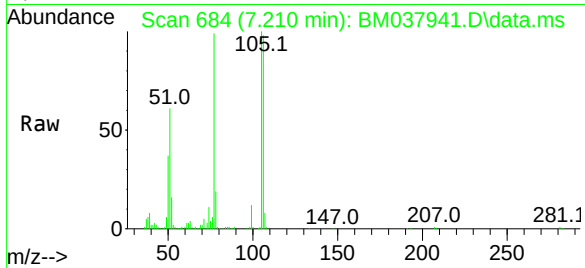




#6
Benzaldehyde
Concen: 39.371 ng/ul
RT: 7.210 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM037941.D
Acq: 10 Dec 2022 19:06

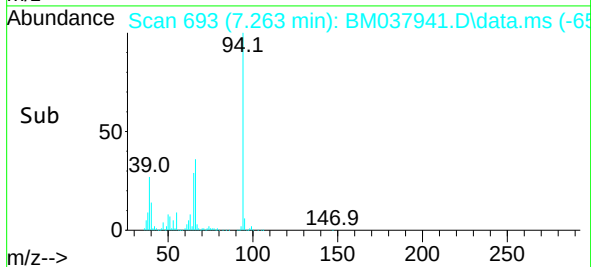
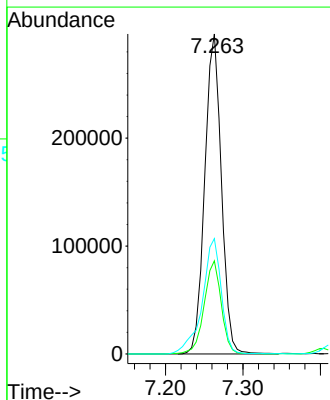
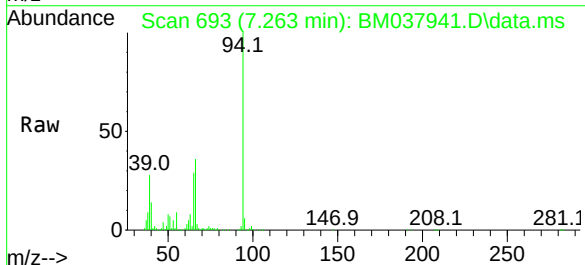
Instrument :
BNA_M
ClientSampleId :
SLCS543

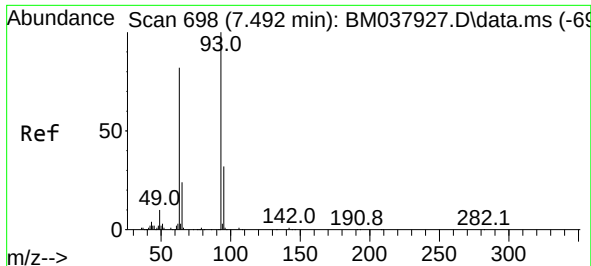
Tgt Ion: 77 Resp: 247141
Ion Ratio Lower Upper
77 100
105 100.8 82.5 123.7
106 99.0 81.8 122.6



#8
Phenol
Concen: 26.212 ng/ul
RT: 7.263 min Scan# 693
Delta R.T. -0.000 min
Lab File: BM037941.D
Acq: 10 Dec 2022 19:06

Tgt Ion: 94 Resp: 441217
Ion Ratio Lower Upper
94 100
65 29.1 22.2 33.4
66 36.0 27.3 40.9

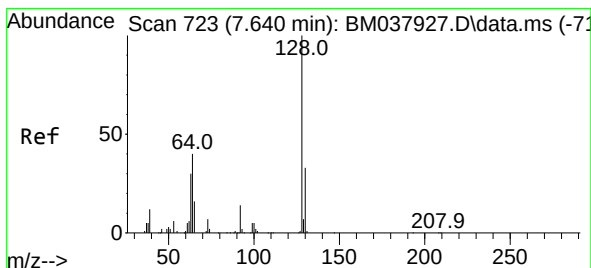
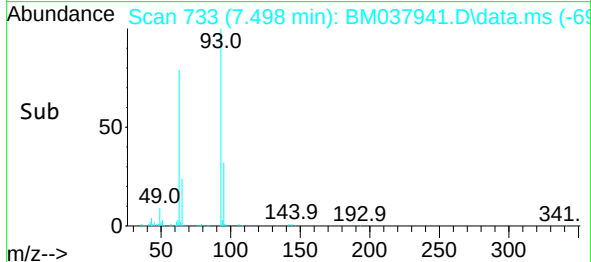
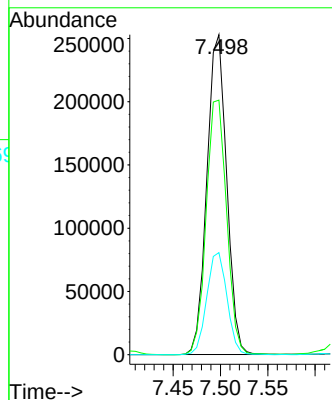
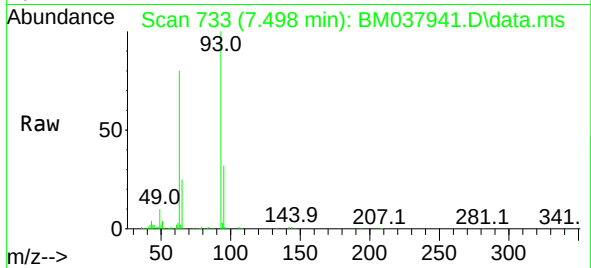




#10
Bis(2-Chloroethyl)ether
Concen: 26.554 ng/ul
RT: 7.498 min Scan# 710
Delta R.T. -0.000 min
Lab File: BM037941.D
Acq: 10 Dec 2022 19:06

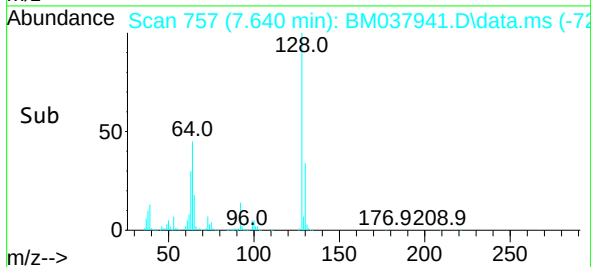
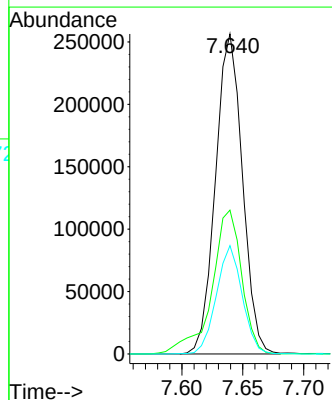
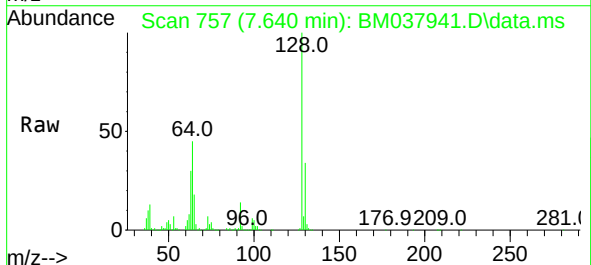
Instrument :
BNA_M
ClientSampleId :
SLCS543

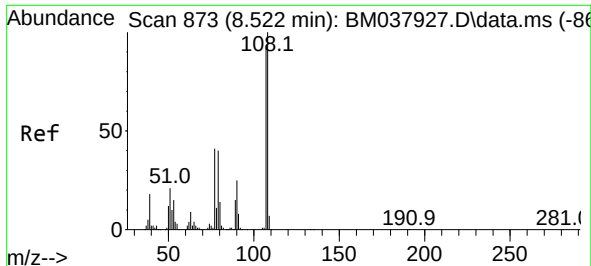
Tgt Ion: 93 Resp: 367031
Ion Ratio Lower Upper
93 100
63 79.6 66.3 99.5
95 31.9 25.7 38.5



#12
2-Chlorophenol
Concen: 28.056 ng/ul
RT: 7.640 min Scan# 757
Delta R.T. -0.000 min
Lab File: BM037941.D
Acq: 10 Dec 2022 19:06

Tgt Ion:128 Resp: 395055
Ion Ratio Lower Upper
128 100
64 44.9 35.2 52.8
130 33.9 25.9 38.9





#13

2-Methylphenol

Concen: 26.154 ng/ul

RT: 8.522 min Scan# 90

Delta R.T. -0.006 min

Lab File: BM037941.D

Acq: 10 Dec 2022 19:06

Instrument :

BNA_M

ClientSampleId :

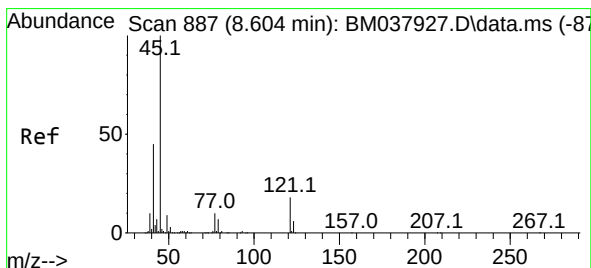
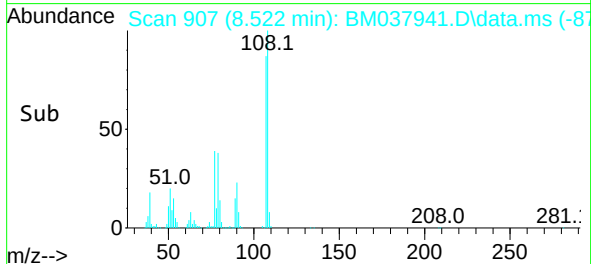
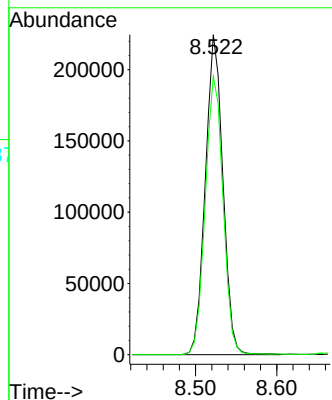
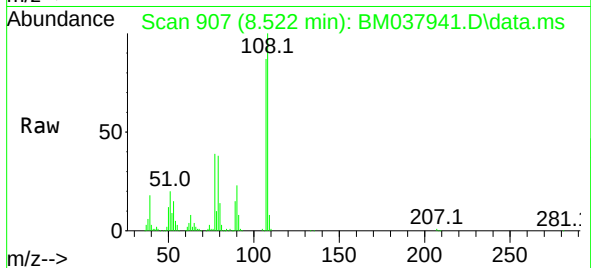
SLCS543

Tgt Ion:108 Resp: 336902

Ion Ratio Lower Upper

108 100

107 87.0 71.9 107.9



#14

2,2'-oxybis(1-Chloropropane)

Concen: 26.294 ng/ul

RT: 8.610 min Scan# 922

Delta R.T. -0.006 min

Lab File: BM037941.D

Acq: 10 Dec 2022 19:06

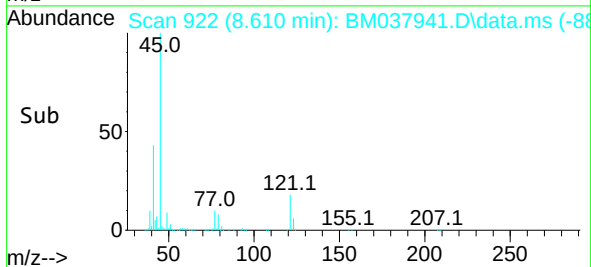
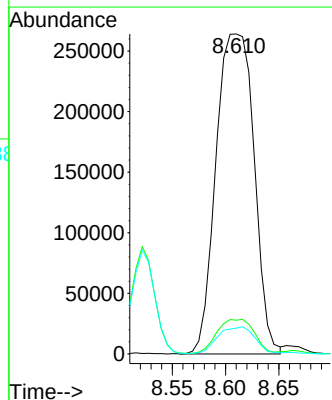
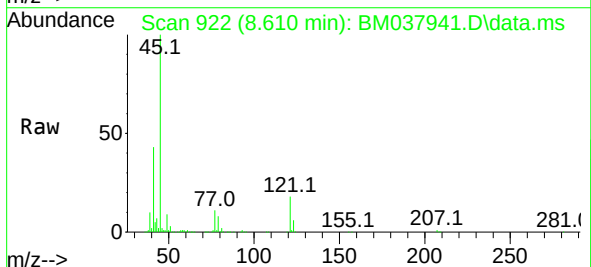
Tgt Ion: 45 Resp: 656249

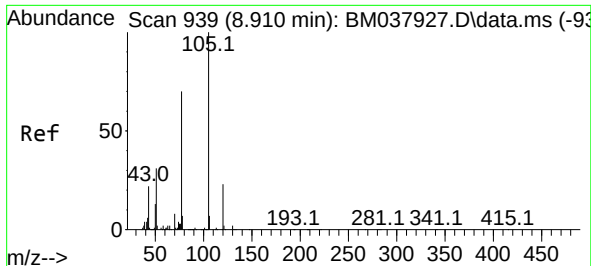
Ion Ratio Lower Upper

45 100

77 10.5 9.0 13.4

79 8.1 6.2 9.4

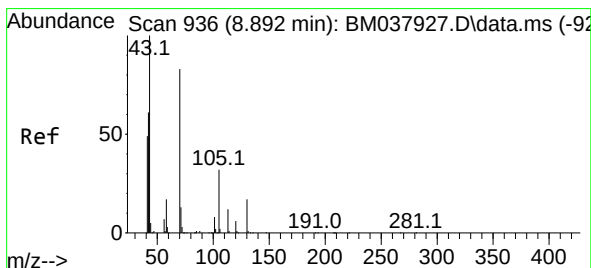
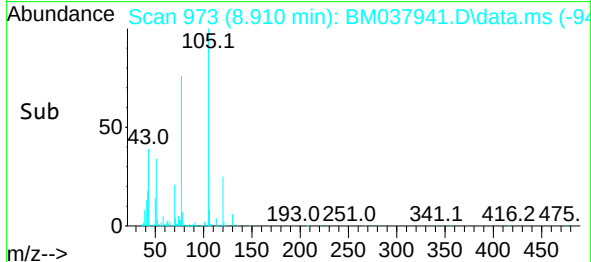
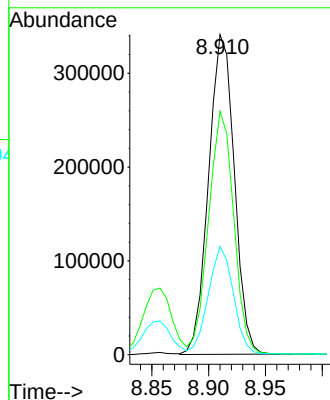
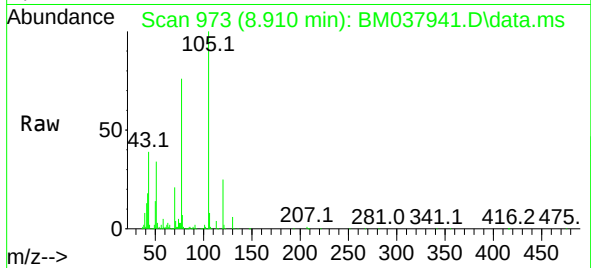




#16
Acetophenone
Concen: 26.107 ng/ul
RT: 8.910 min Scan# 91
Delta R.T. -0.006 min
Lab File: BM037941.D
Acq: 10 Dec 2022 19:06

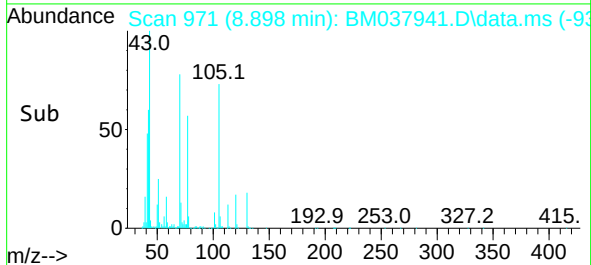
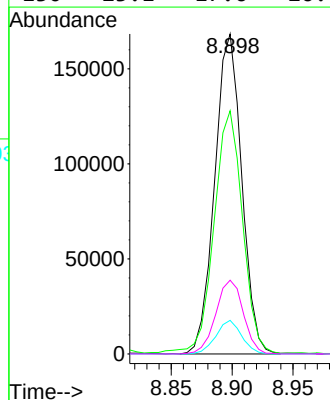
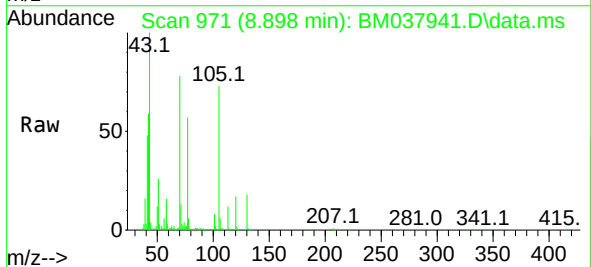
Instrument :
BNA_M
ClientSampleId :
SLCS543

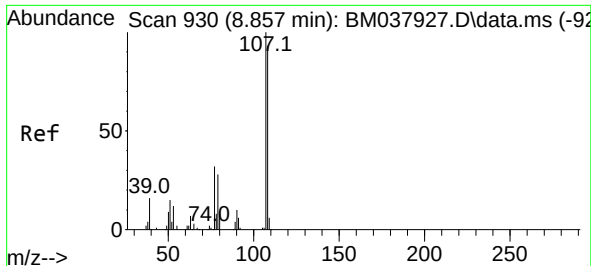
Tgt Ion:105 Resp: 537919
Ion Ratio Lower Upper
105 100
77 76.1 59.7 89.5
51 33.8 27.2 40.8



#17
N-Nitroso-di-n-propylamine
Concen: 26.764 ng/ul
RT: 8.898 min Scan# 971
Delta R.T. -0.000 min
Lab File: BM037941.D
Acq: 10 Dec 2022 19:06

Tgt Ion: 70 Resp: 259776
Ion Ratio Lower Upper
70 100
42 76.0 62.3 93.5
101 10.5 8.0 12.0
130 23.1 17.6 26.4

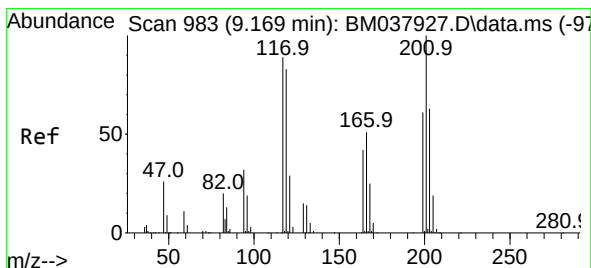
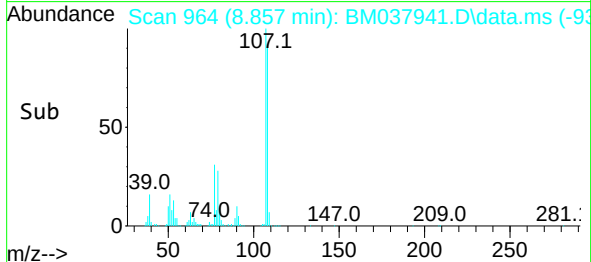
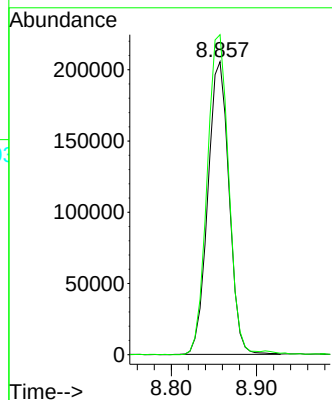
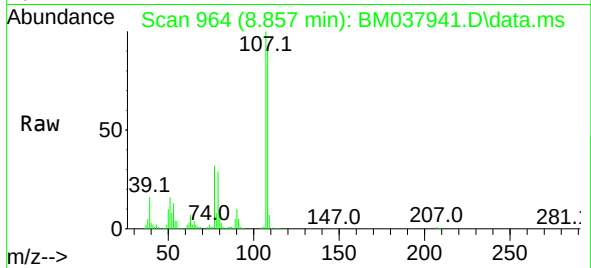




#18
4-Methylphenol
Concen: 25.500 ng/ul
RT: 8.857 min Scan# 90
Delta R.T. -0.000 min
Lab File: BM037941.D
Acq: 10 Dec 2022 19:06

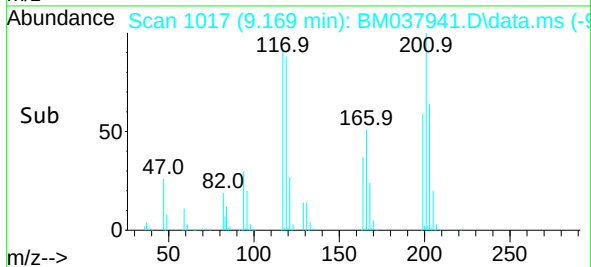
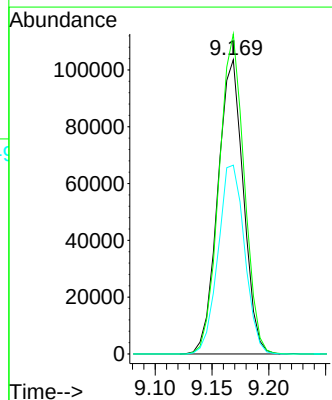
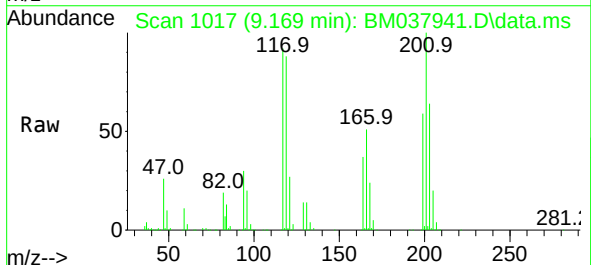
Instrument :
BNA_M
ClientSampleId :
SLCS543

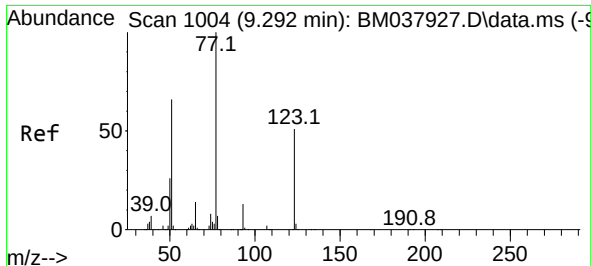
Tgt Ion:108 Resp: 355329
Ion Ratio Lower Upper
108 100
107 109.2 88.1 132.1



#19
Hexachloroethane
Concen: 28.842 ng/ul
RT: 9.169 min Scan# 1017
Delta R.T. -0.000 min
Lab File: BM037941.D
Acq: 10 Dec 2022 19:06

Tgt Ion:117 Resp: 162359
Ion Ratio Lower Upper
117 100
201 108.8 87.3 130.9
199 64.2 50.9 76.3

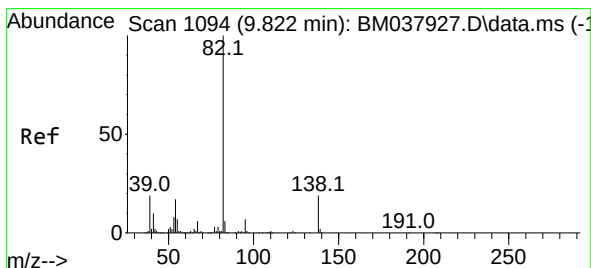
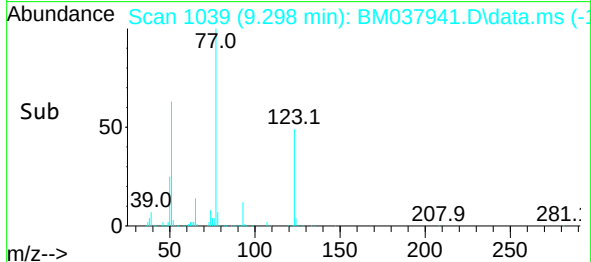
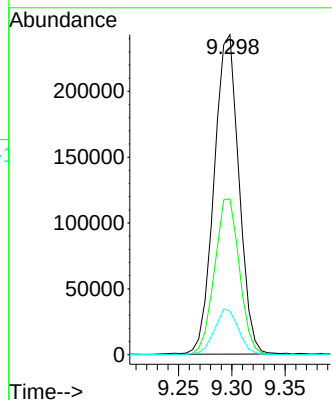
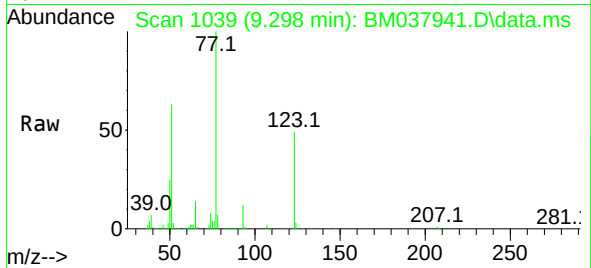




#22
Nitrobenzene
Concen: 29.244 ng/ul
RT: 9.298 min Scan# 1103
Delta R.T. -0.000 min
Lab File: BM037941.D
Acq: 10 Dec 2022 19:06

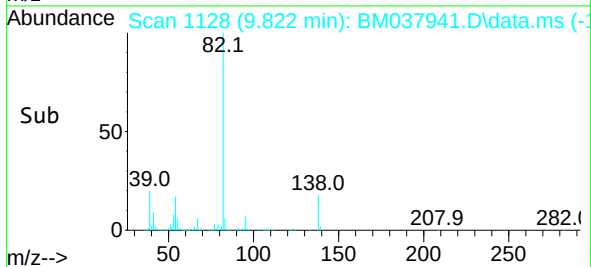
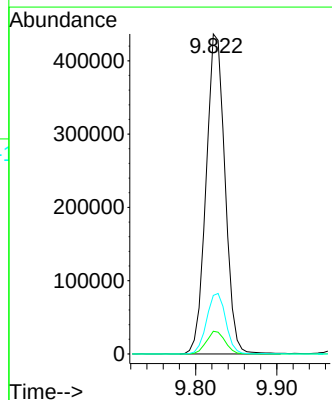
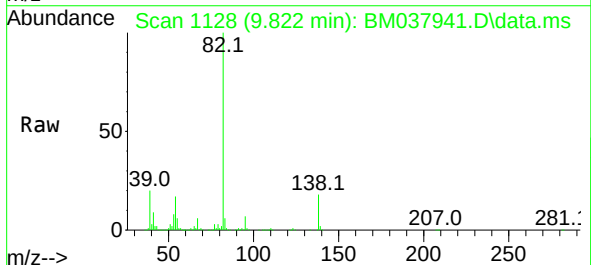
Instrument :
BNA_M
ClientSampleId :
SLCS543

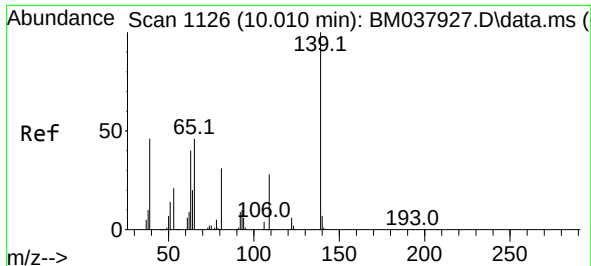
Tgt Ion: 77 Resp: 393271
Ion Ratio Lower Upper
77 100
123 48.7 37.8 56.6
65 13.6 11.1 16.7



#23
Isophorone
Concen: 28.625 ng/ul
RT: 9.822 min Scan# 1128
Delta R.T. -0.006 min
Lab File: BM037941.D
Acq: 10 Dec 2022 19:06

Tgt Ion: 82 Resp: 705385
Ion Ratio Lower Upper
82 100
95 7.1 5.2 7.8
138 18.3 14.9 22.3

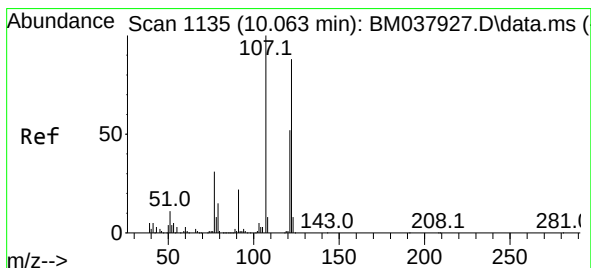
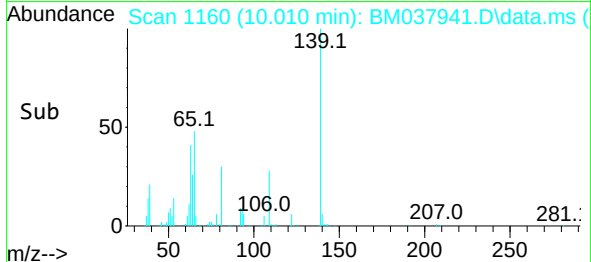
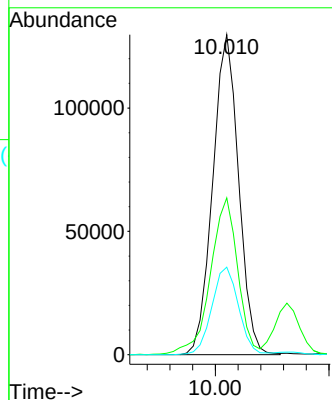
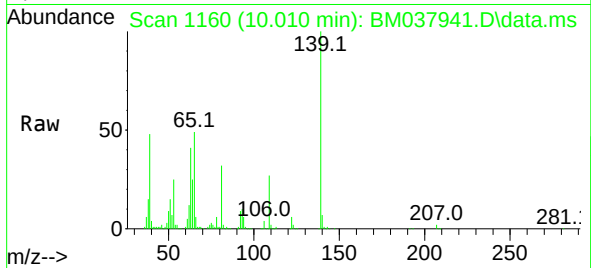




#25
2-Nitrophenol
Concen: 29.922 ng/ul
RT: 10.010 min Scan# 1126
Delta R.T. -0.000 min
Lab File: BM037941.D
Acq: 10 Dec 2022 19:06

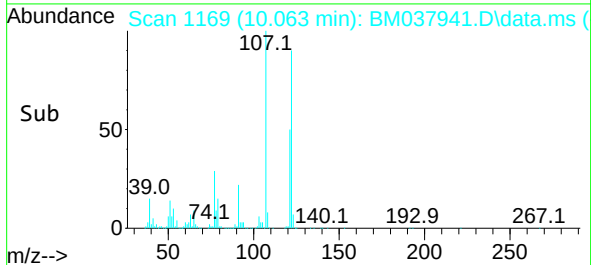
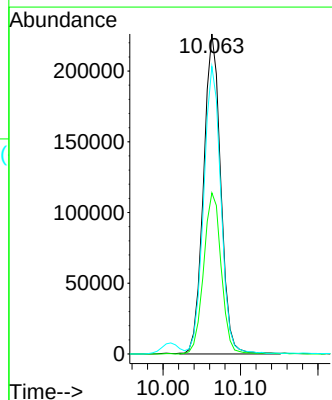
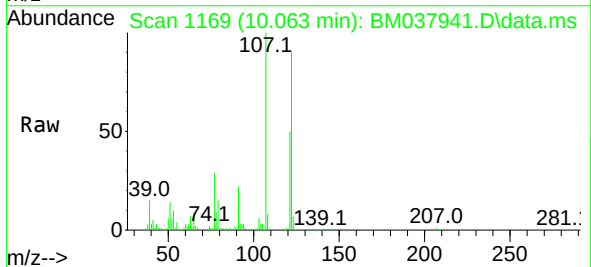
Instrument :
BNA_M
ClientSampleId :
SLCS543

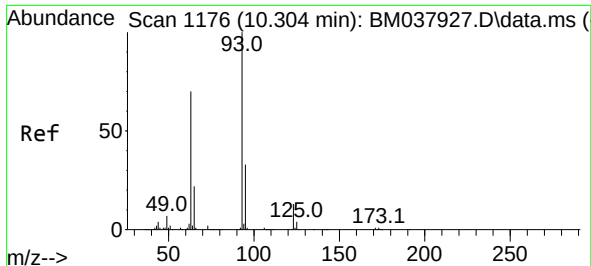
Tgt Ion:139 Resp: 205458
Ion Ratio Lower Upper
139 100
65 49.0 36.2 54.4
109 27.4 19.7 29.5



#26
2,4-Dimethylphenol
Concen: 26.322 ng/ul
RT: 10.063 min Scan# 1169
Delta R.T. -0.006 min
Lab File: BM037941.D
Acq: 10 Dec 2022 19:06

Tgt Ion:107 Resp: 349521
Ion Ratio Lower Upper
107 100
121 50.4 42.0 63.0
122 89.8 71.4 107.2





#27

Bis(2-Chloroethoxy)methane

Concen: 27.539 ng/ul

RT: 10.304 min Scan# 1176

Delta R.T. -0.000 min

Lab File: BM037941.D

Acq: 10 Dec 2022 19:06

Instrument :

BNA_M

ClientSampleId :

SLCS543

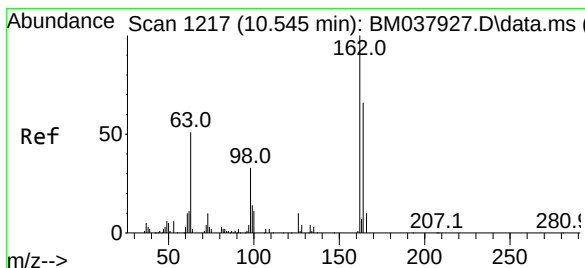
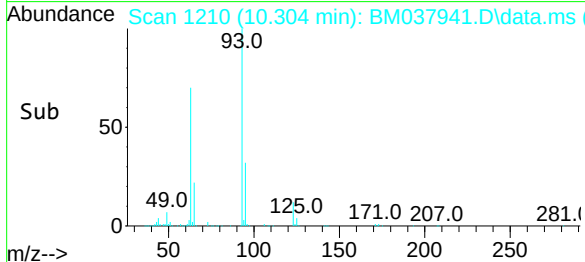
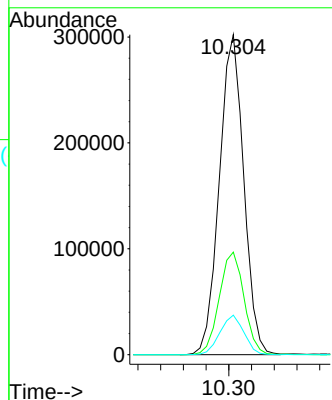
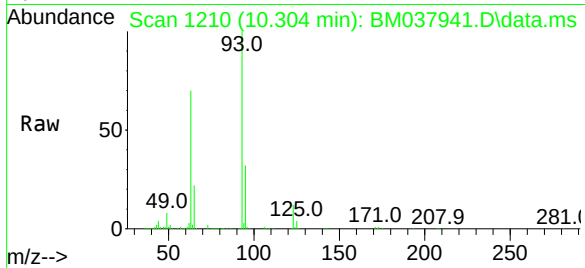
Tgt Ion: 93 Resp: 451106

Ion Ratio Lower Upper

93 100

95 32.0 25.5 38.3

123 12.4 9.4 14.2



#29

2,4-Dichlorophenol

Concen: 28.713 ng/ul

RT: 10.545 min Scan# 1251

Delta R.T. -0.000 min

Lab File: BM037941.D

Acq: 10 Dec 2022 19:06

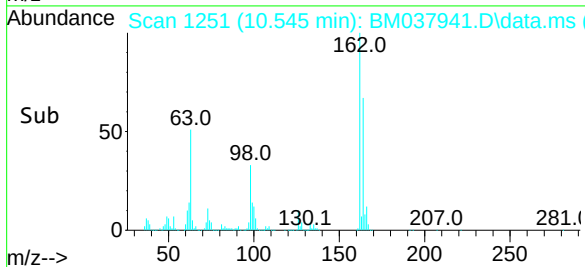
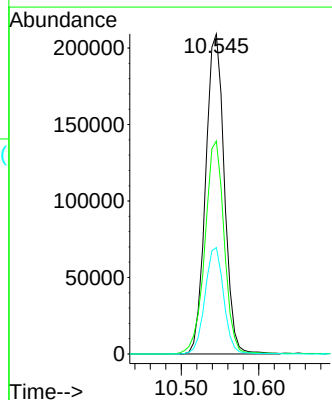
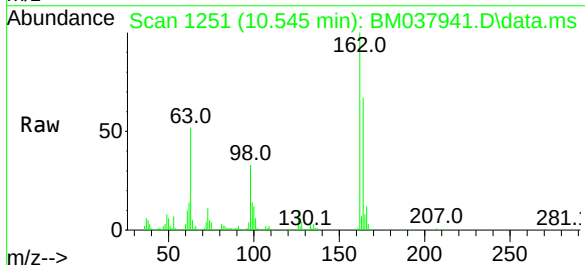
Tgt Ion:162 Resp: 350452

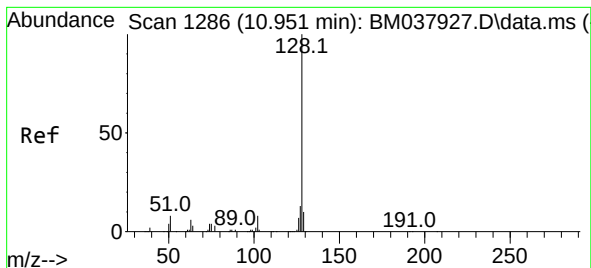
Ion Ratio Lower Upper

162 100

164 66.6 51.4 77.2

98 33.3 26.1 39.1

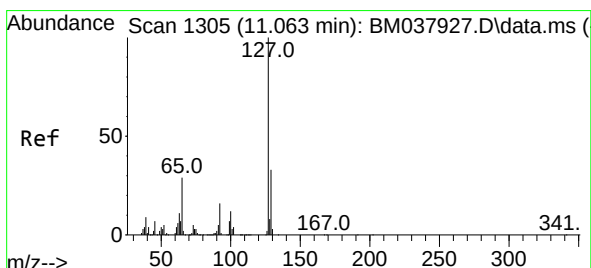
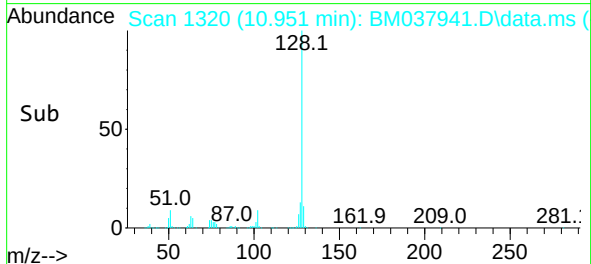
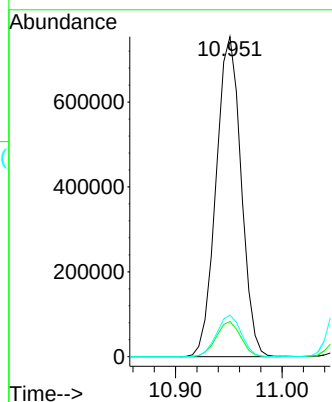
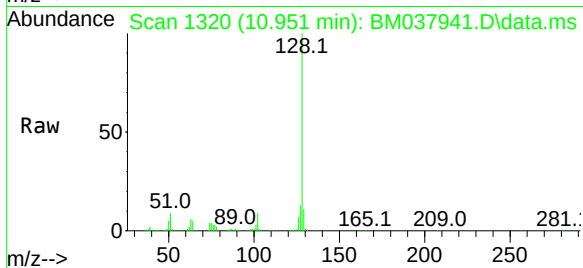




#30
Naphthalene
Concen: 28.873 ng/ul
RT: 10.951 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM037941.D
Acq: 10 Dec 2022 19:06

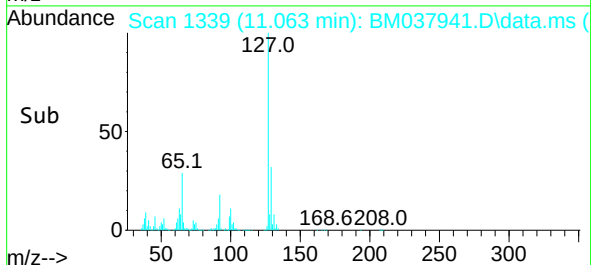
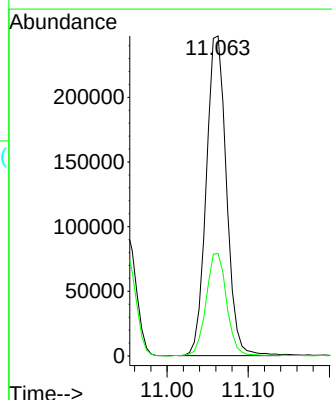
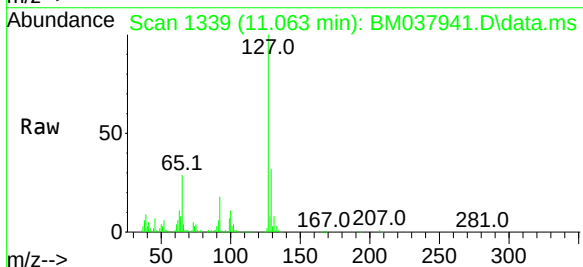
Instrument :
BNA_M
ClientSampleId :
SLCS543

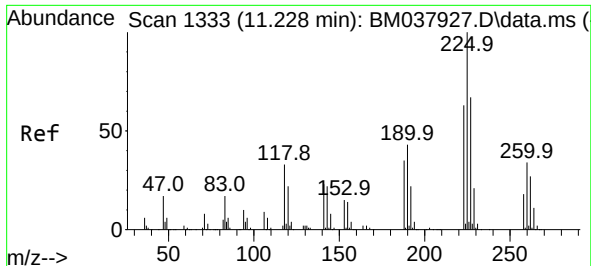
Tgt Ion:128 Resp: 1229931
Ion Ratio Lower Upper
128 100
129 11.0 9.0 13.4
127 13.0 10.4 15.6



#32
4-Chloroaniline
Concen: 24.933 ng/ul
RT: 11.063 min Scan# 1339
Delta R.T. -0.000 min
Lab File: BM037941.D
Acq: 10 Dec 2022 19:06

Tgt Ion:127 Resp: 426960
Ion Ratio Lower Upper
127 100
129 32.0 25.3 37.9

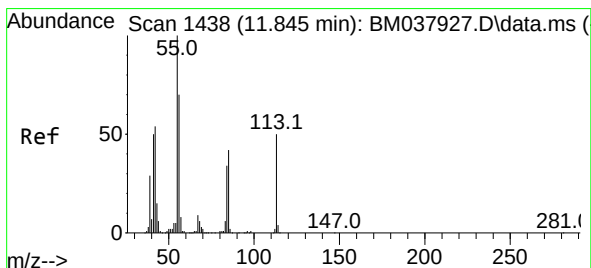
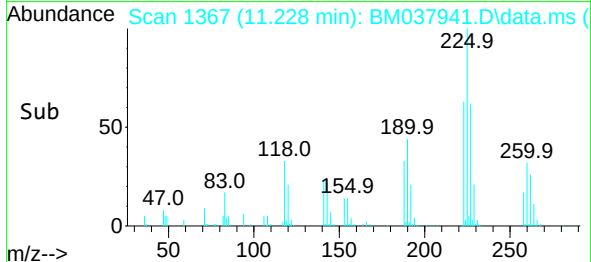
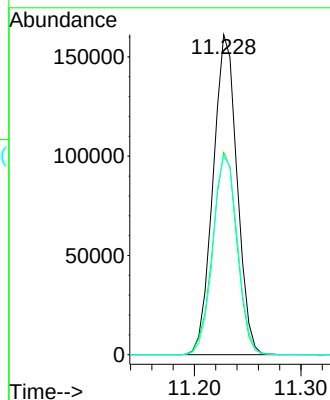
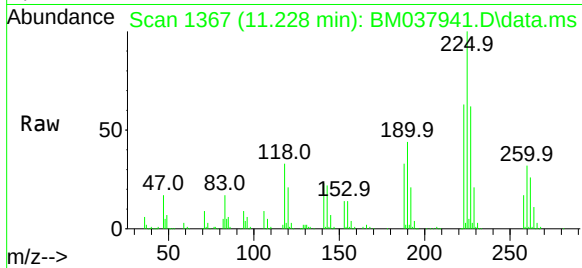




#33
Hexachlorobutadiene
Concen: 31.444 ng/ul
RT: 11.228 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM037941.D
Acq: 10 Dec 2022 19:06

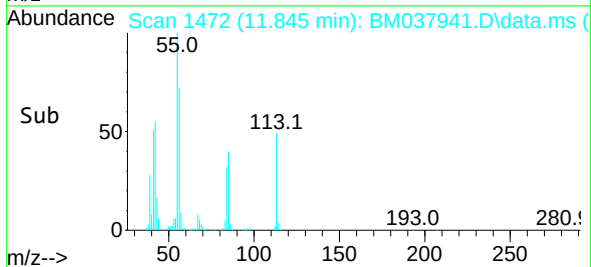
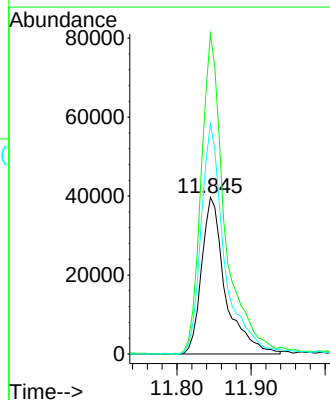
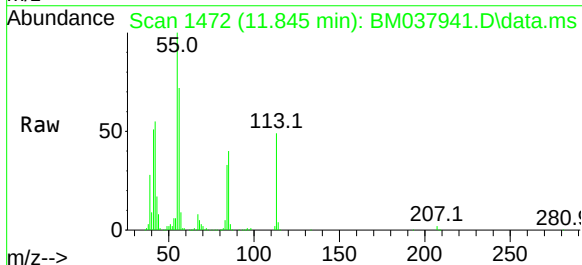
Instrument :
BNA_M
ClientSampleId :
SLCS543

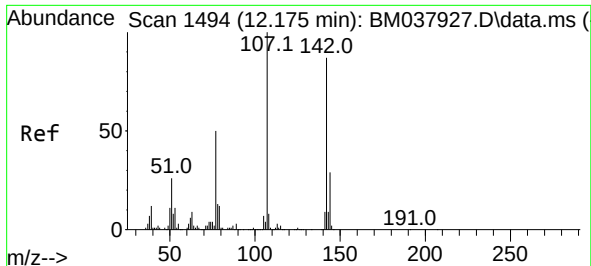
Tgt Ion:225 Resp: 252476
Ion Ratio Lower Upper
225 100
223 63.2 50.8 76.2
227 62.1 50.5 75.7



#34
Caprolactam
Concen: 28.269 ng/ul
RT: 11.845 min Scan# 1472
Delta R.T. -0.006 min
Lab File: BM037941.D
Acq: 10 Dec 2022 19:06

Tgt Ion:113 Resp: 88507
Ion Ratio Lower Upper
113 100
55 204.3 172.2 258.2
56 147.0 120.7 181.1

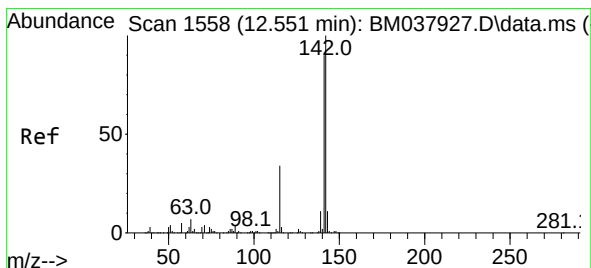
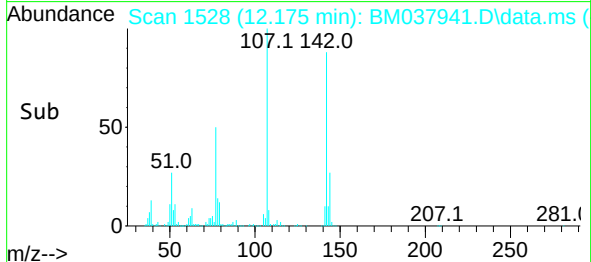
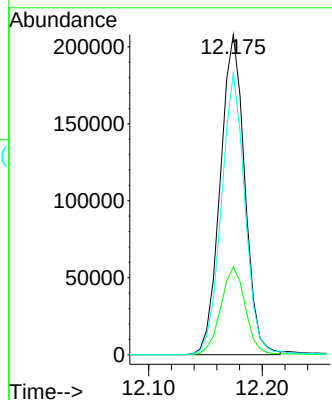
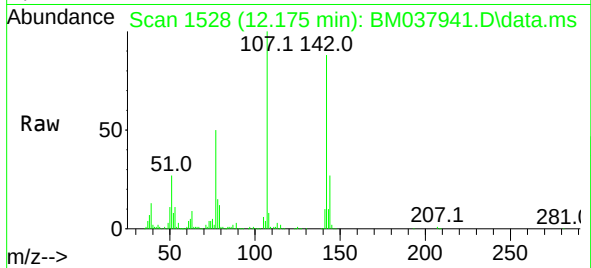




#35
4-Chloro-3-methylphenol
Concen: 28.032 ng/ul
RT: 12.175 min Scan# 1591
Delta R.T. -0.000 min
Lab File: BM037941.D
Acq: 10 Dec 2022 19:06

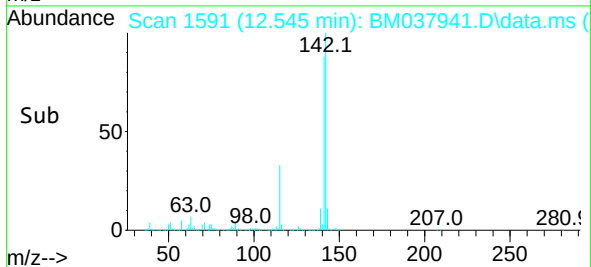
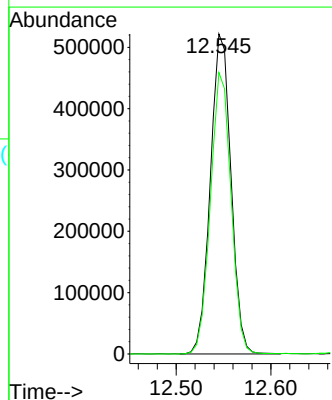
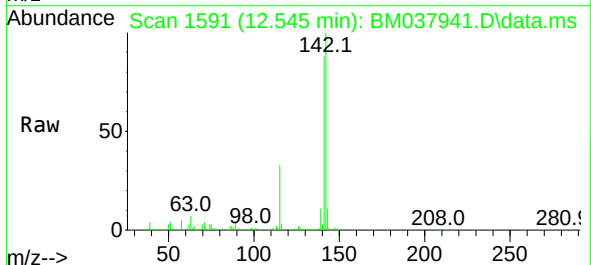
Instrument :
BNA_M
ClientSampleId :
SLCS543

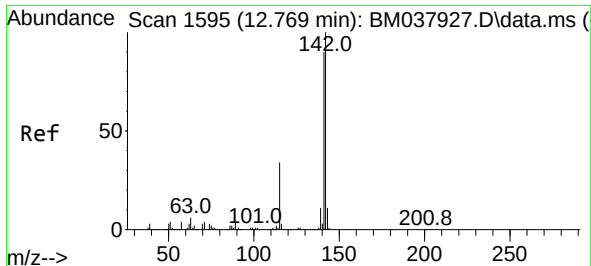
Tgt Ion:107 Resp: 311440
Ion Ratio Lower Upper
107 100
144 27.4 23.4 35.0
142 87.9 71.0 106.4



#36
2-Methylnaphthalene
Concen: 28.513 ng/ul
RT: 12.545 min Scan# 1591
Delta R.T. -0.006 min
Lab File: BM037941.D
Acq: 10 Dec 2022 19:06

Tgt Ion:142 Resp: 787786
Ion Ratio Lower Upper
142 100
141 87.9 69.4 104.0





#37

1-Methylnaphthalene

Concen: 27.767 ng/ul

RT: 12.763 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM037941.D

Acq: 10 Dec 2022 19:06

Instrument :

BNA_M

ClientSampleId :

SLCS543

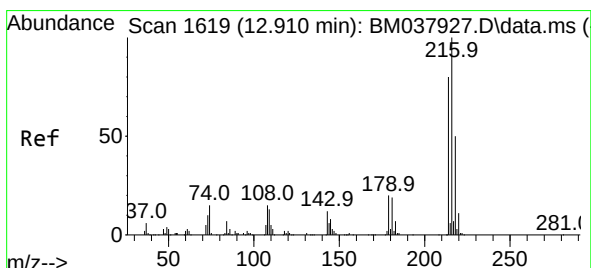
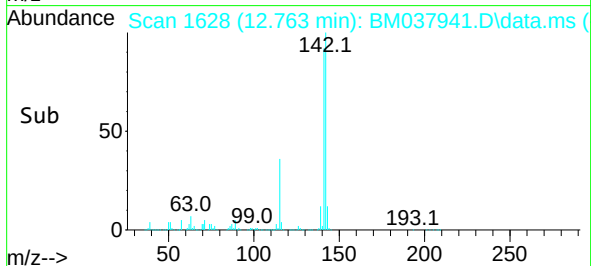
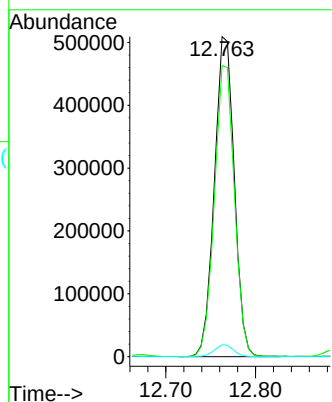
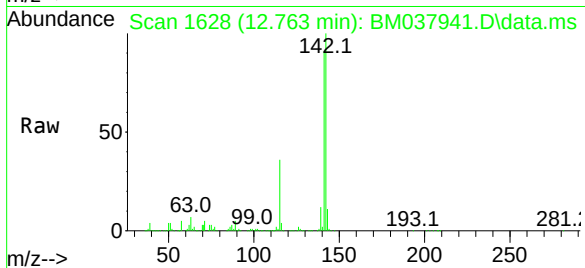
Tgt Ion:142 Resp: 784474

Ion Ratio Lower Upper

142 100

141 91.0 72.4 108.6

116 3.7 2.9 4.3



#39

1,2,4,5-Tetrachlorobenzene

Concen: 30.586 ng/ul

RT: 12.910 min Scan# 1653

Delta R.T. -0.006 min

Lab File: BM037941.D

Acq: 10 Dec 2022 19:06

Tgt Ion:216 Resp: 431515

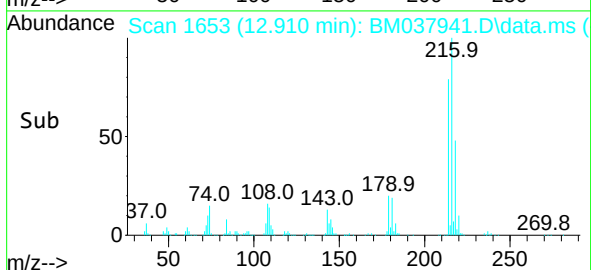
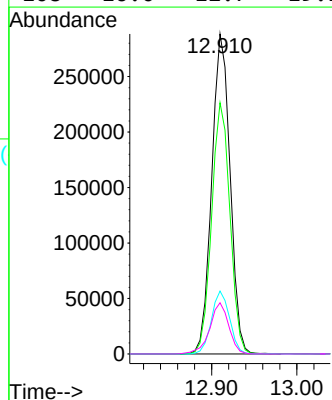
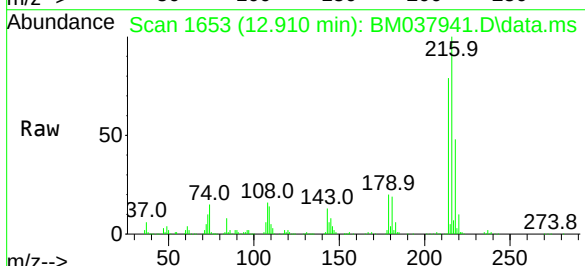
Ion Ratio Lower Upper

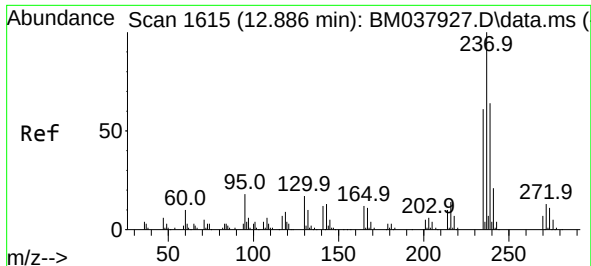
216 100

214 78.5 64.2 96.4

179 19.7 15.4 23.2

108 16.0 12.7 19.1

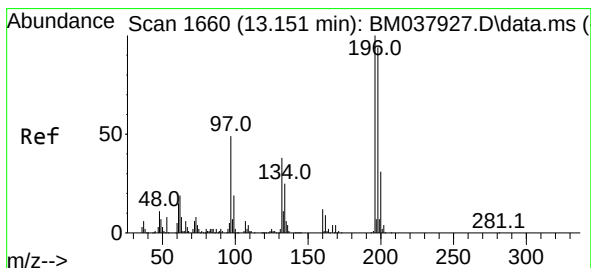
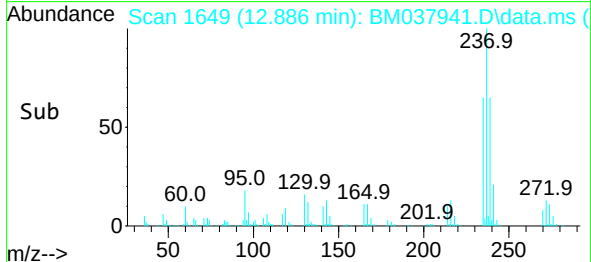
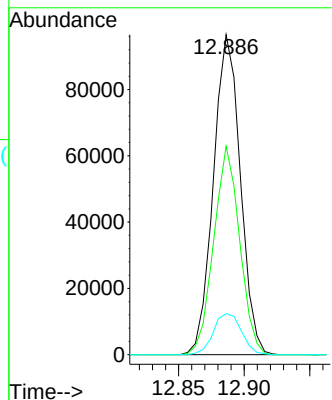
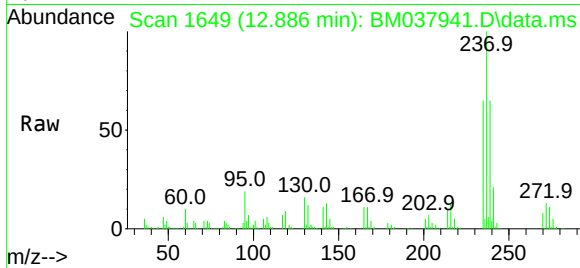




#40
Hexachlorocyclopentadiene
Concen: 17.077 ng/ul
RT: 12.886 min Scan# 1615
Delta R.T. -0.006 min
Lab File: BM037941.D
Acq: 10 Dec 2022 19:06

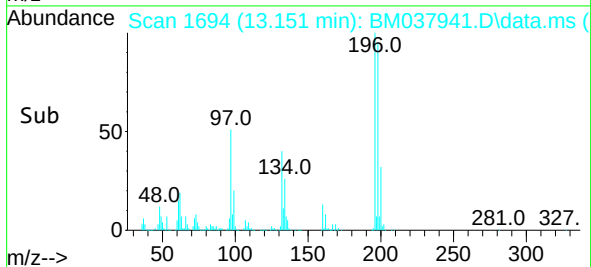
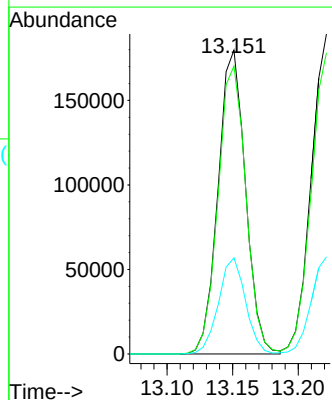
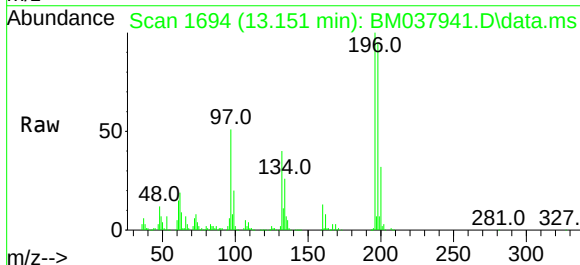
Instrument :
BNA_M
ClientSampleId :
SLCS543

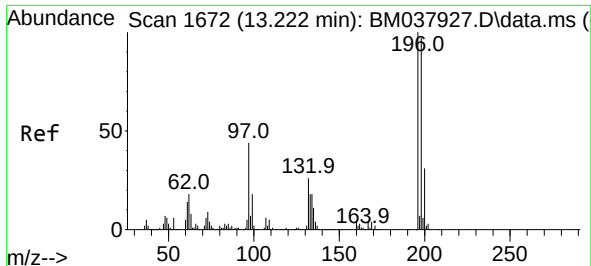
Tgt Ion:237 Resp: 137818
Ion Ratio Lower Upper
237 100
235 65.1 50.4 75.6
272 12.8 10.6 16.0



#41
2,4,6-Trichlorophenol
Concen: 30.366 ng/ul
RT: 13.151 min Scan# 1694
Delta R.T. -0.000 min
Lab File: BM037941.D
Acq: 10 Dec 2022 19:06

Tgt Ion:196 Resp: 260950
Ion Ratio Lower Upper
196 100
198 94.8 75.0 112.6
200 31.7 24.5 36.7

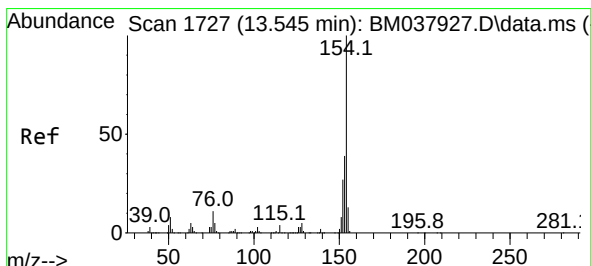
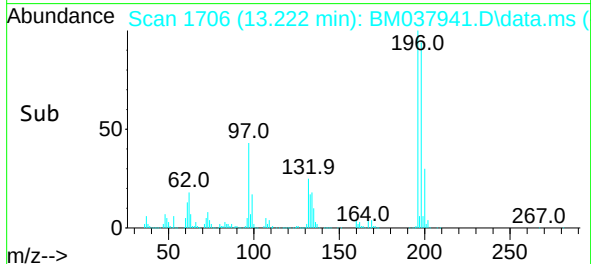
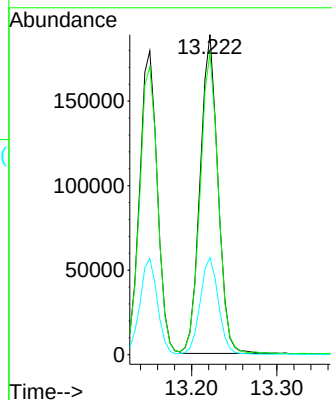
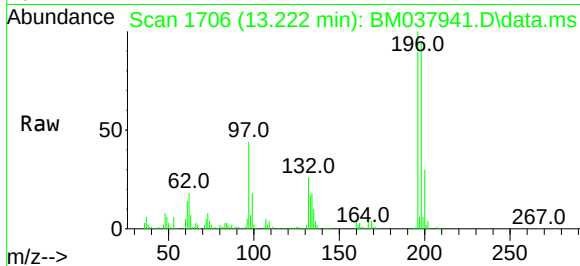




#42
2,4,5-Trichlorophenol
Concen: 30.572 ng/ul
RT: 13.222 min Scan# 1706
Delta R.T. -0.000 min
Lab File: BM037941.D
Acq: 10 Dec 2022 19:06

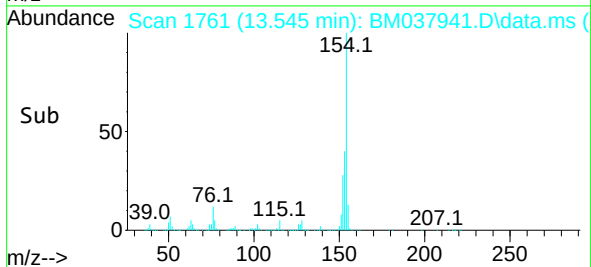
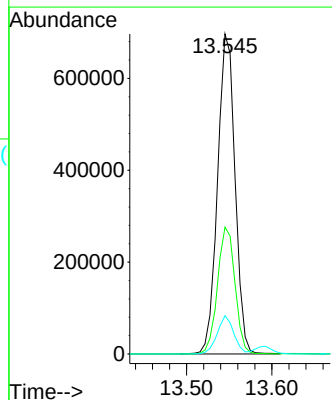
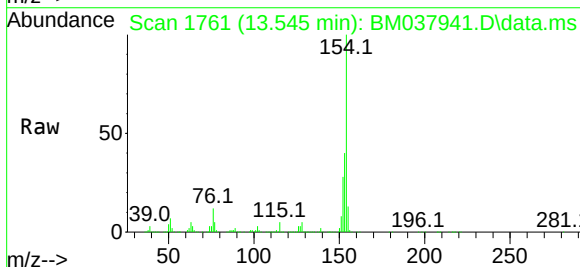
Instrument :
BNA_M
ClientSampleId :
SLCS543

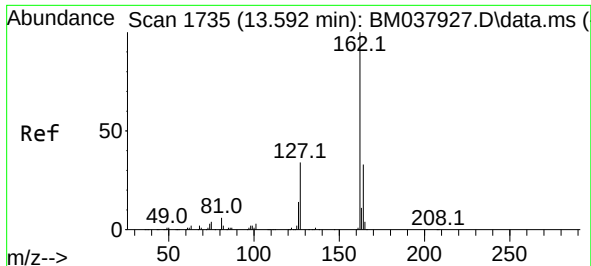
Tgt Ion:196 Resp: 273998
Ion Ratio Lower Upper
196 100
198 94.1 76.5 114.7
200 30.3 24.9 37.3



#43
1,1'-Biphenyl
Concen: 28.636 ng/ul
RT: 13.545 min Scan# 1761
Delta R.T. -0.006 min
Lab File: BM037941.D
Acq: 10 Dec 2022 19:06

Tgt Ion:154 Resp: 993884
Ion Ratio Lower Upper
154 100
153 39.6 31.2 46.8
76 12.0 9.3 13.9

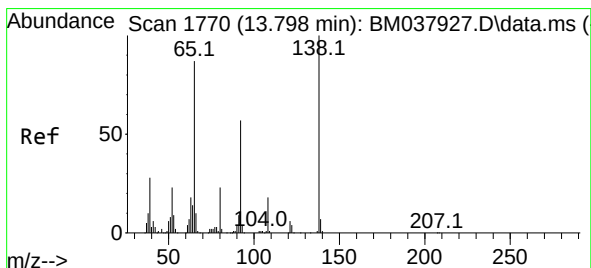
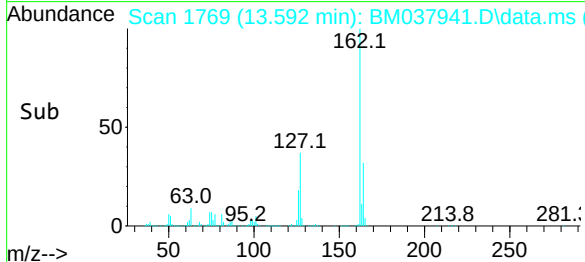
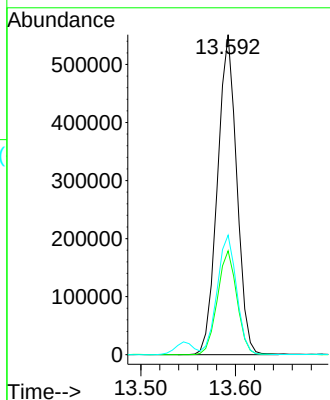
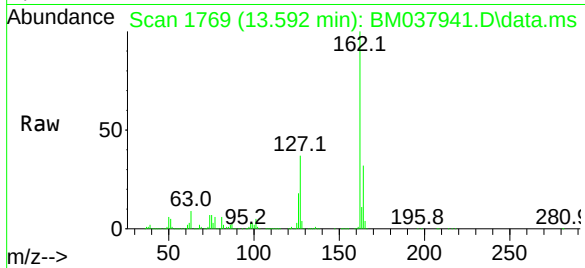




#44
2-Chloronaphthalene
Concen: 29.232 ng/ul
RT: 13.592 min Scan# 11
Delta R.T. -0.000 min
Lab File: BM037941.D
Acq: 10 Dec 2022 19:06

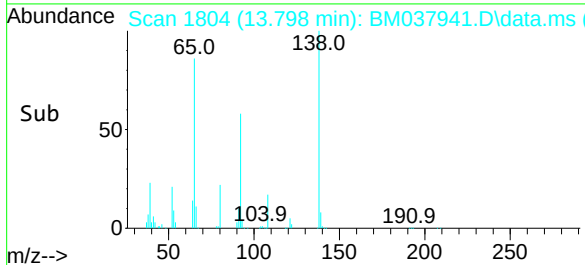
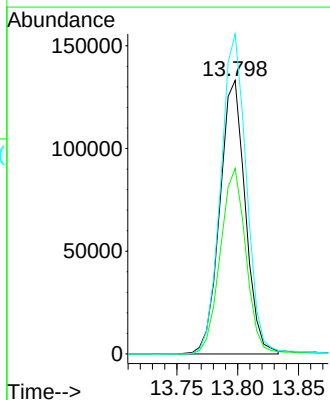
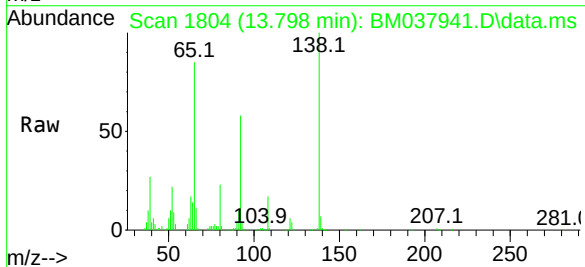
Instrument :
BNA_M
ClientSampleId :
SLCS543

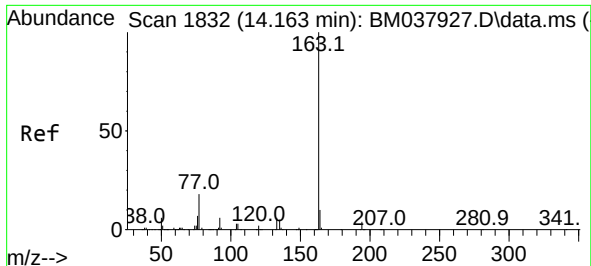
Tgt Ion:162 Resp: 782667
Ion Ratio Lower Upper
162 100
164 32.4 27.3 40.9
127 37.4 29.4 44.0



#45
2-Nitroaniline
Concen: 30.087 ng/ul
RT: 13.798 min Scan# 1804
Delta R.T. -0.000 min
Lab File: BM037941.D
Acq: 10 Dec 2022 19:06

Tgt Ion: 65 Resp: 194097
Ion Ratio Lower Upper
65 100
92 67.8 53.5 80.3
138 117.0 91.3 136.9





#47

Dimethylphthalate

Concen: 29.975 ng/ul

RT: 14.163 min Scan# 1832

Delta R.T. -0.006 min

Lab File: BM037941.D

Acq: 10 Dec 2022 19:06

Instrument :

BNA_M

ClientSampleId :

SLCS543

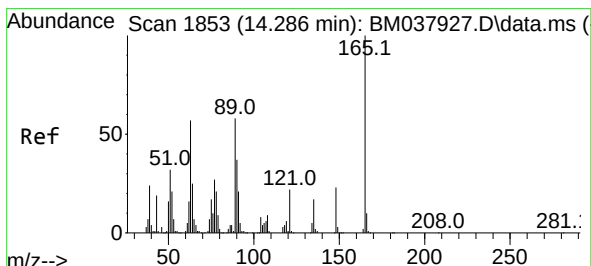
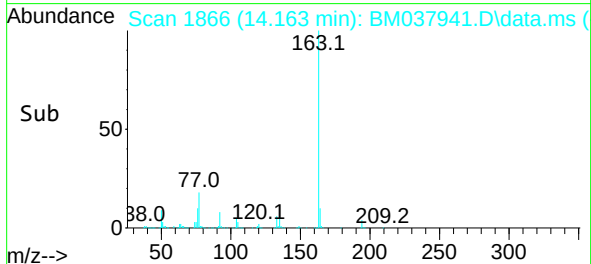
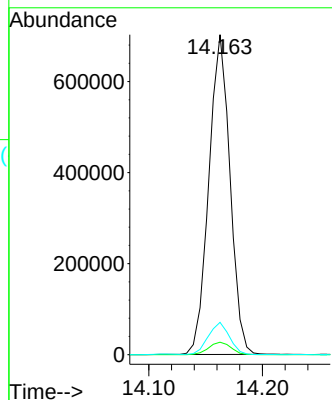
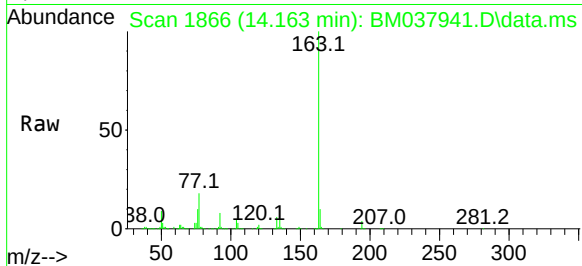
Tgt Ion:163 Resp: 910374

Ion Ratio Lower Upper

163 100

194 3.9 3.0 4.6

164 10.1 8.2 12.4



#48

2,6-Dinitrotoluene

Concen: 30.674 ng/ul

RT: 14.286 min Scan# 1887

Delta R.T. -0.006 min

Lab File: BM037941.D

Acq: 10 Dec 2022 19:06

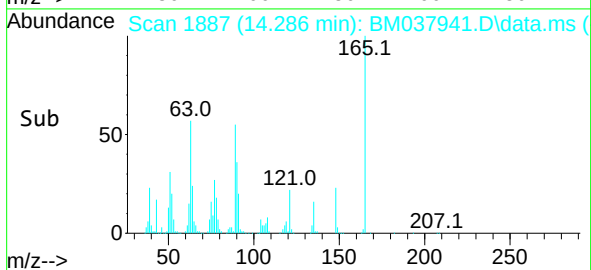
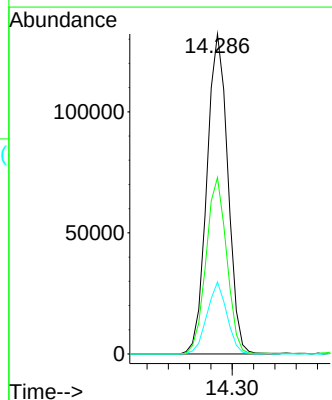
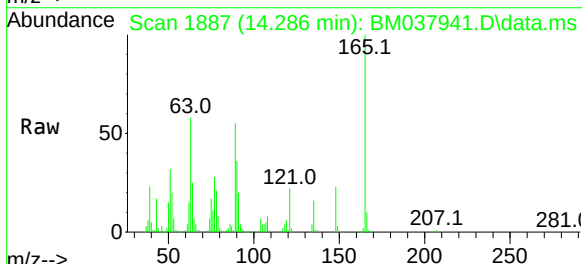
Tgt Ion:165 Resp: 180957

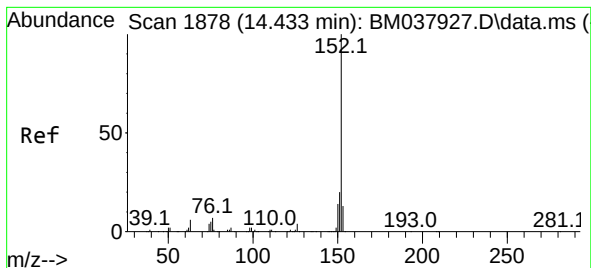
Ion Ratio Lower Upper

165 100

89 55.1 41.1 61.7

121 22.5 17.4 26.2





#50

Acenaphthylene

Concen: 29.175 ng/ul

RT: 14.433 min Scan# 1912

Delta R.T. -0.006 min

Lab File: BM037941.D

Acq: 10 Dec 2022 19:06

Instrument :

BNA_M

ClientSampleId :

SLCS543

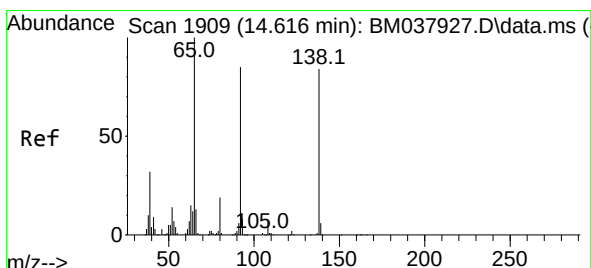
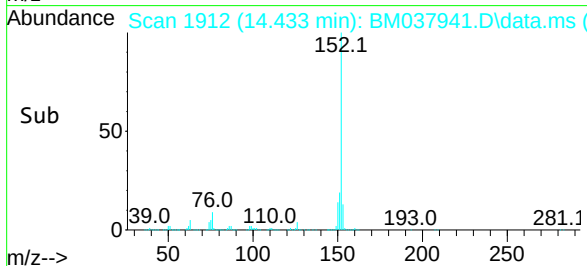
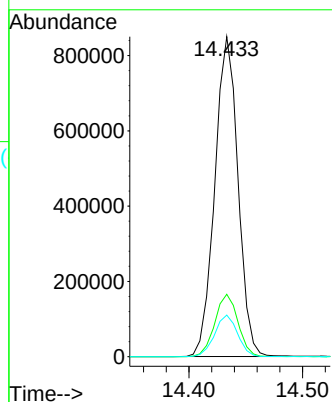
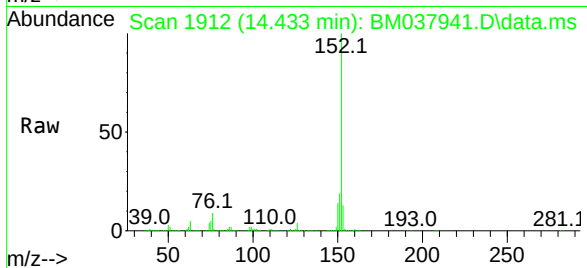
Tgt Ion:152 Resp: 1206959

Ion Ratio Lower Upper

152 100

151 19.5 15.3 22.9

153 13.0 10.2 15.4



#51

3-Nitroaniline

Concen: 31.849 ng/ul

RT: 14.616 min Scan# 1943

Delta R.T. -0.000 min

Lab File: BM037941.D

Acq: 10 Dec 2022 19:06

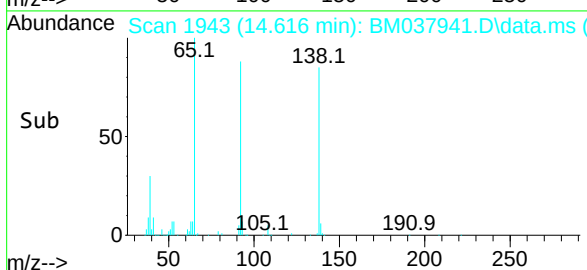
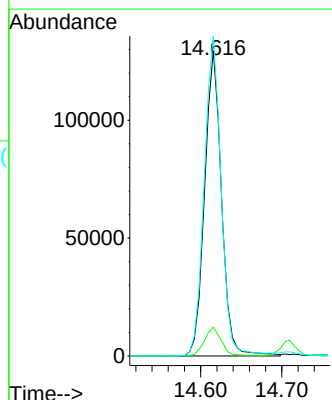
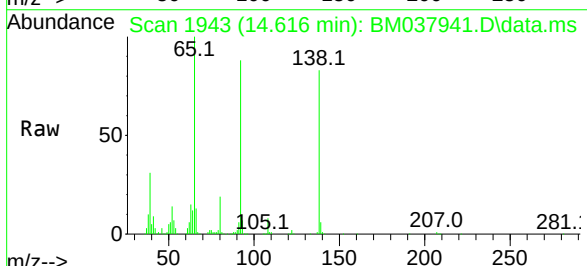
Tgt Ion:138 Resp: 187462

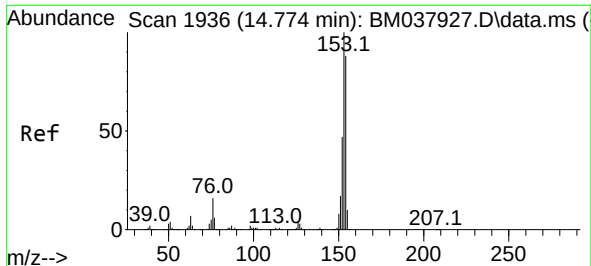
Ion Ratio Lower Upper

138 100

108 9.4 7.9 11.9

92 104.8 83.4 125.0

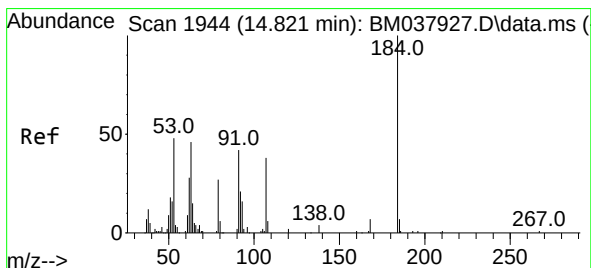
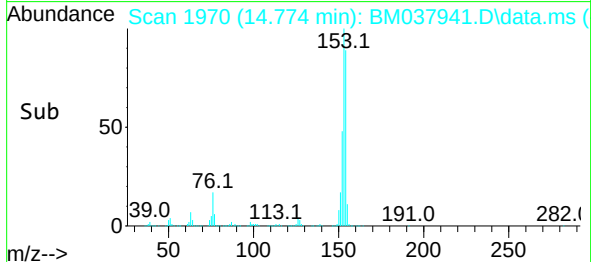
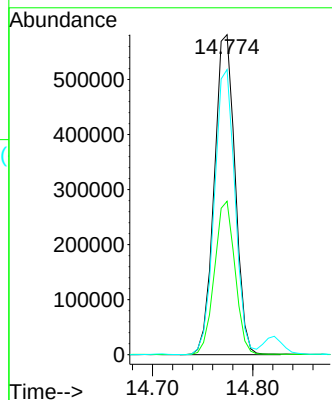
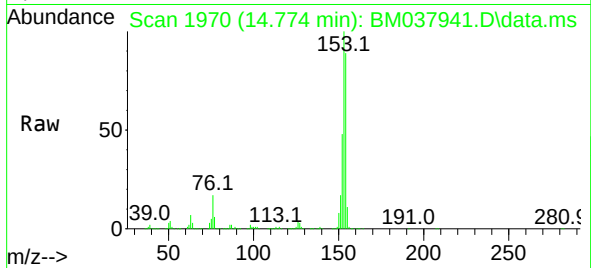




#52
Acenaphthene
Concen: 29.356 ng/ul
RT: 14.774 min Scan# 1936
Delta R.T. -0.000 min
Lab File: BM037941.D
Acq: 10 Dec 2022 19:06

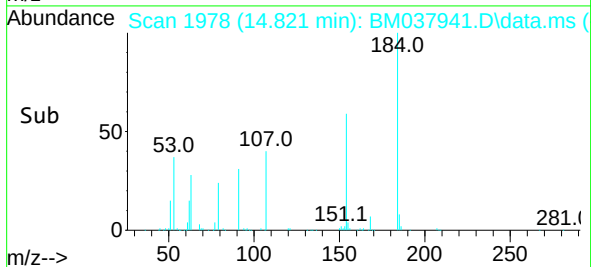
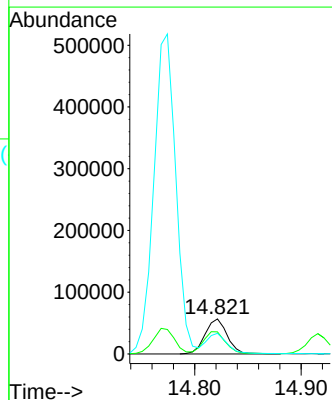
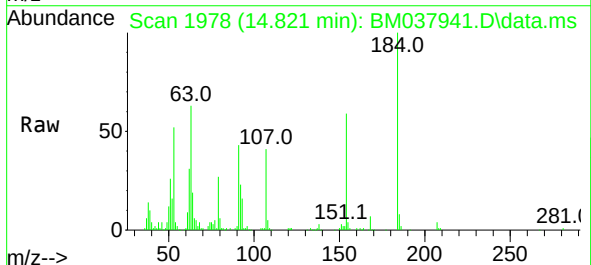
Instrument :
BNA_M
ClientSampleId :
SLCS543

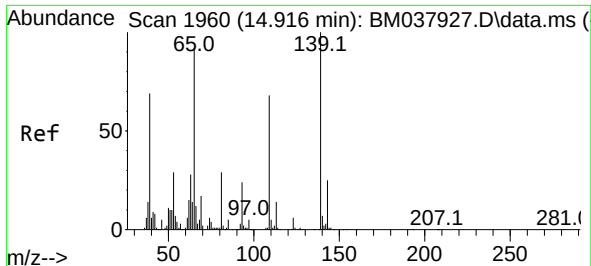
Tgt Ion:153 Resp: 839984
Ion Ratio Lower Upper
153 100
152 47.9 38.2 57.4
154 89.1 71.4 107.0



#53
2,4-Dinitrophenol
Concen: 28.463 ng/ul
RT: 14.821 min Scan# 1978
Delta R.T. -0.000 min
Lab File: BM037941.D
Acq: 10 Dec 2022 19:06

Tgt Ion:184 Resp: 82396
Ion Ratio Lower Upper
184 100
63 62.9 46.2 69.4
154 58.8 45.5 68.3

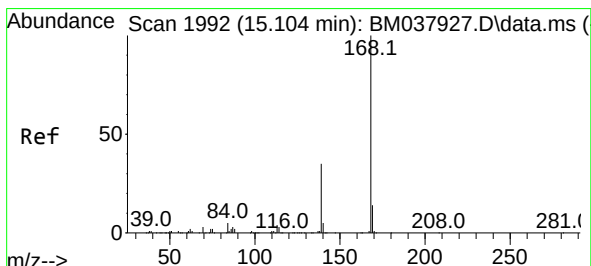
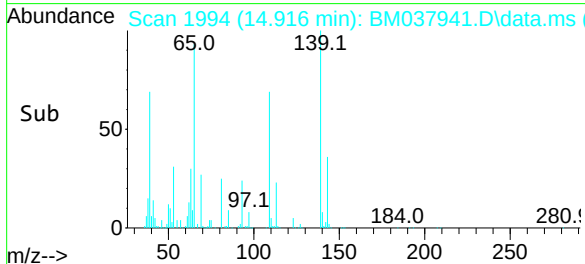
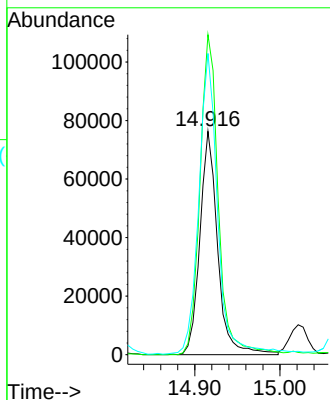
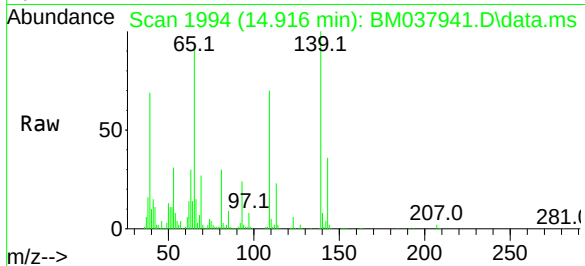




#55
4-Nitrophenol
Concen: 31.988 ng/ul
RT: 14.916 min Scan# 1960
Delta R.T. -0.000 min
Lab File: BM037941.D
Acq: 10 Dec 2022 19:06

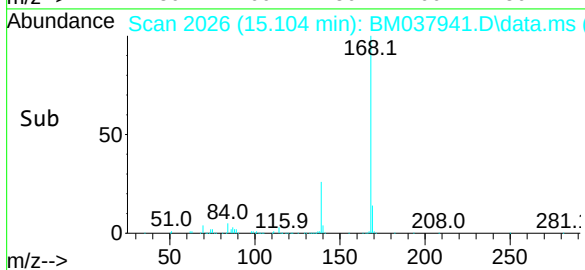
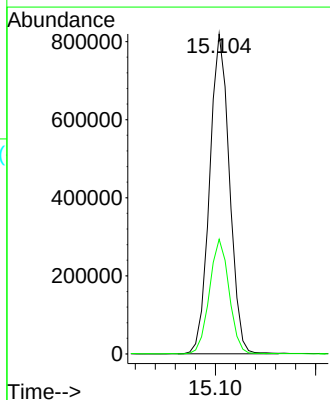
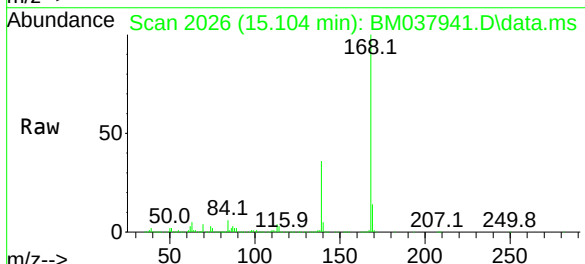
Instrument :
BNA_M
ClientSampleId :
SLCS543

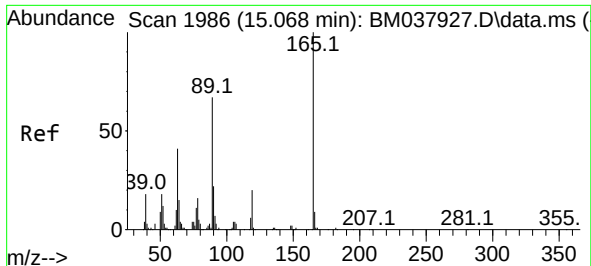
Tgt Ion:109 Resp: 110670
Ion Ratio Lower Upper
109 100
139 143.2 119.2 178.8
65 134.8 108.7 163.1



#56
Dibenzofuran
Concen: 28.831 ng/ul
RT: 15.104 min Scan# 2026
Delta R.T. -0.006 min
Lab File: BM037941.D
Acq: 10 Dec 2022 19:06

Tgt Ion:168 Resp: 1126312
Ion Ratio Lower Upper
168 100
139 35.9 28.1 42.1





#57

2,4-Dinitrotoluene

Concen: 31.505 ng/ul

RT: 15.068 min Scan# 2064

Delta R.T. -0.006 min

Lab File: BM037941.D

Acq: 10 Dec 2022 19:06

Instrument :

BNA_M

ClientSampleId :

SLCS543

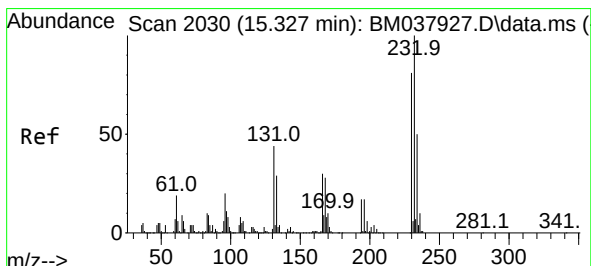
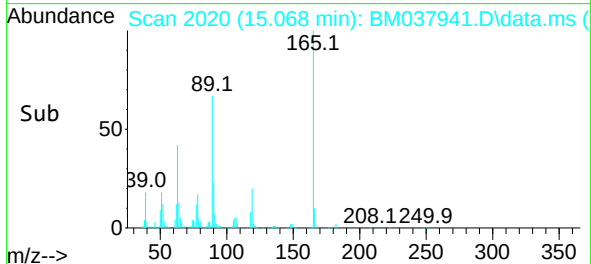
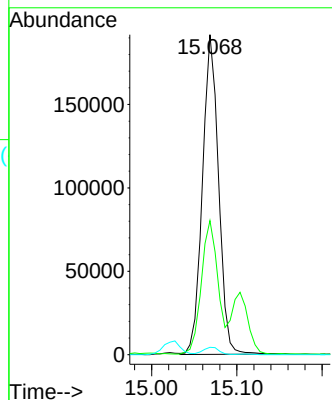
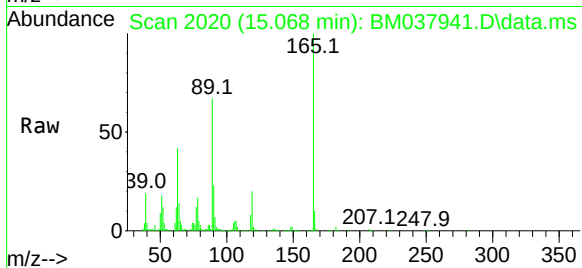
Tgt Ion:165 Resp: 251697

Ion Ratio Lower Upper

165 100

63 41.9 34.9 52.3

182 2.3 2.2 3.2



#58

2,3,4,6-Tetrachlorophenol

Concen: 31.106 ng/ul

RT: 15.327 min Scan# 2064

Delta R.T. -0.006 min

Lab File: BM037941.D

Acq: 10 Dec 2022 19:06

Tgt Ion:232 Resp: 234508

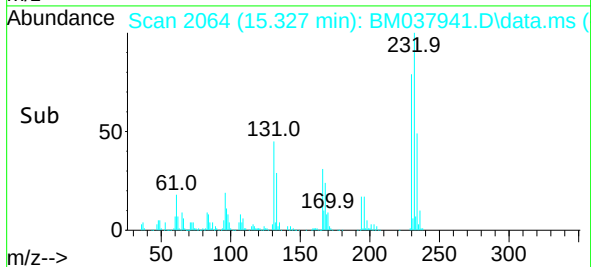
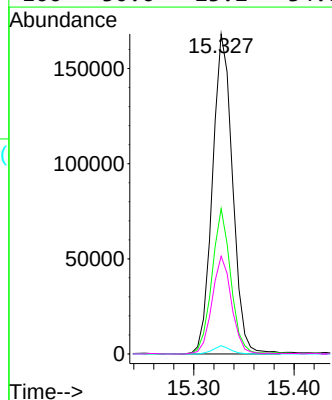
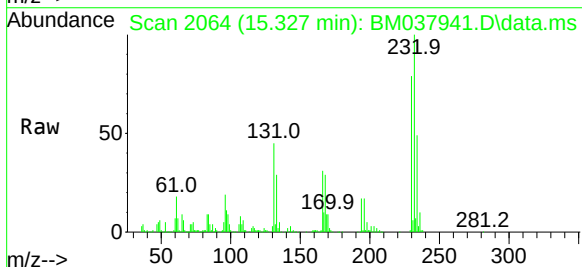
Ion Ratio Lower Upper

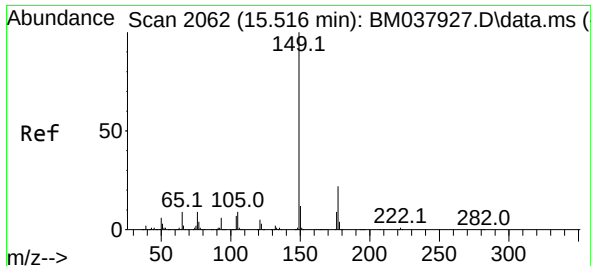
232 100

131 45.4 32.8 49.2

130 2.6 2.0 3.0

166 30.6 23.2 34.8

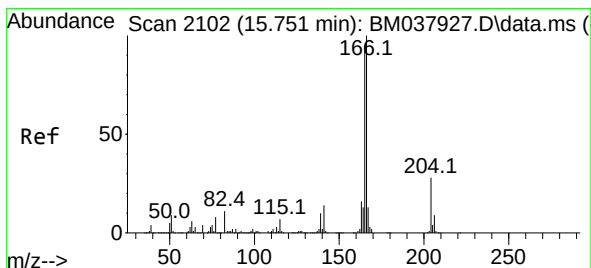
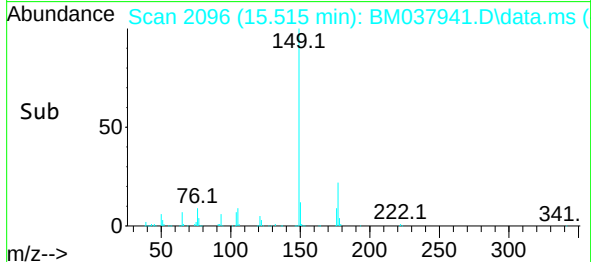
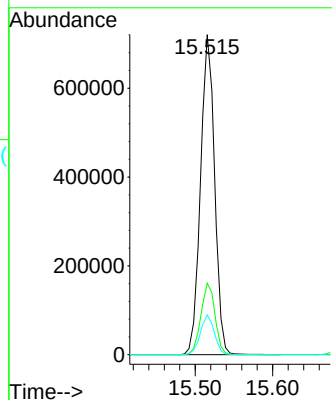
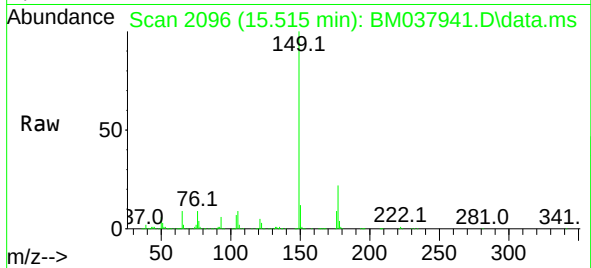




#59
Diethylphthalate
Concen: 30.056 ng/ul
RT: 15.515 min Scan# 2062
Delta R.T. -0.006 min
Lab File: BM037941.D
Acq: 10 Dec 2022 19:06

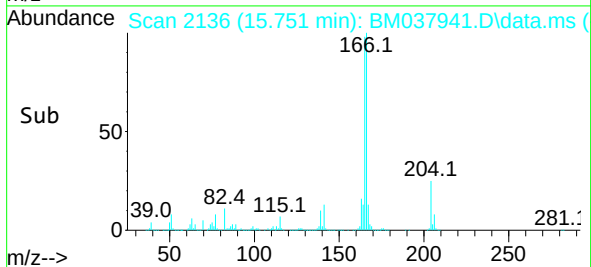
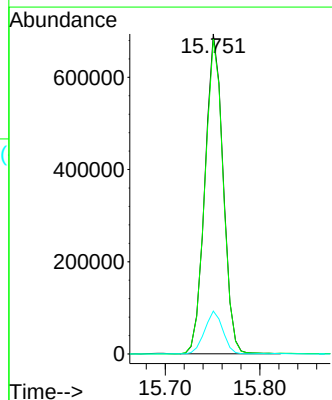
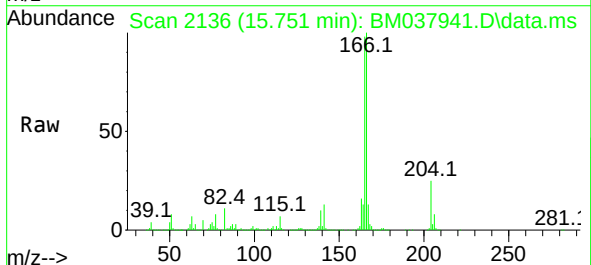
Instrument :
BNA_M
ClientSampleId :
SLCS543

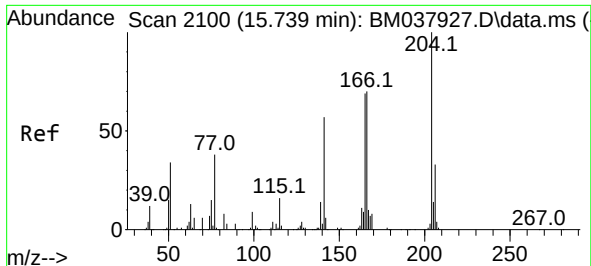
Tgt Ion:149 Resp: 909390
Ion Ratio Lower Upper
149 100
177 22.3 18.5 27.7
150 12.4 9.5 14.3



#61
Fluorene
Concen: 29.037 ng/ul
RT: 15.751 min Scan# 2136
Delta R.T. -0.006 min
Lab File: BM037941.D
Acq: 10 Dec 2022 19:06

Tgt Ion:166 Resp: 925109
Ion Ratio Lower Upper
166 100
165 98.4 77.2 115.8
167 13.4 10.4 15.6

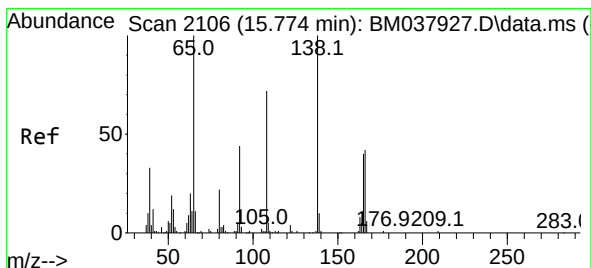
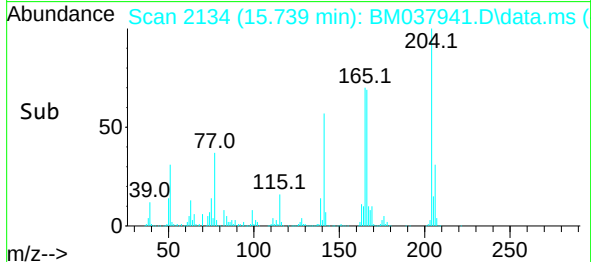
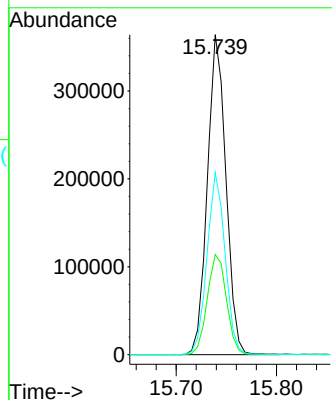
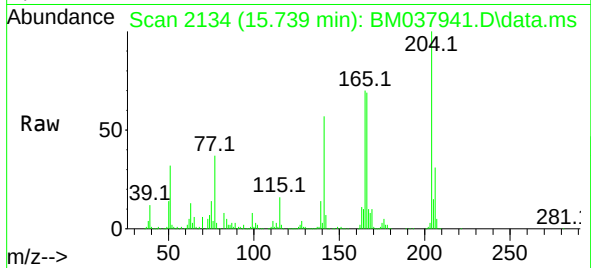




#62
4-Chlorophenyl-phenylether
Concen: 30.118 ng/ul
RT: 15.739 min Scan# 2100
Delta R.T. -0.006 min
Lab File: BM037941.D
Acq: 10 Dec 2022 19:06

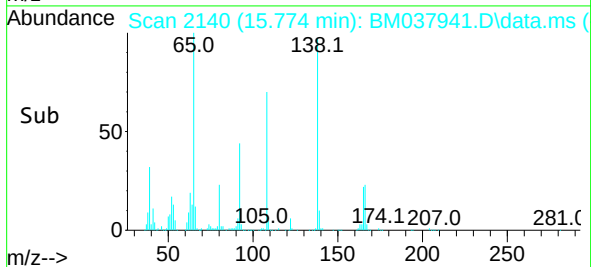
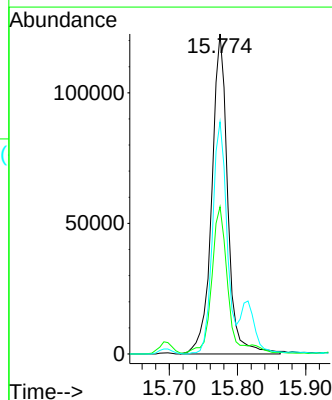
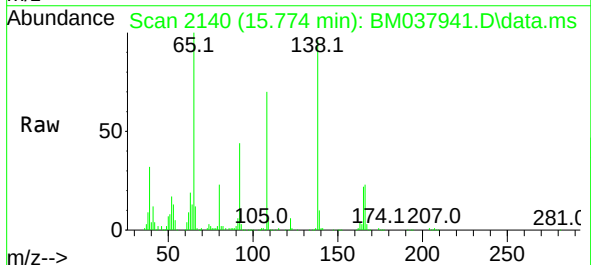
Instrument :
BNA_M
ClientSampleId :
SLCS543

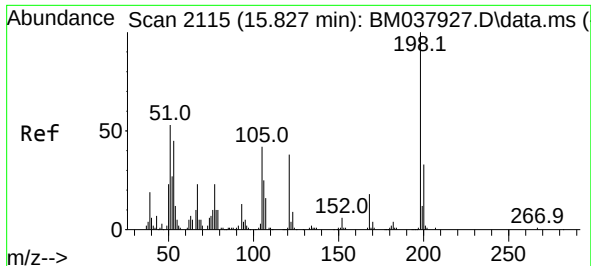
Tgt Ion:204 Resp: 468926
Ion Ratio Lower Upper
204 100
206 31.3 25.5 38.3
141 56.9 42.8 64.2



#63
4-Nitroaniline
Concen: 37.538 ng/ul
RT: 15.774 min Scan# 2140
Delta R.T. -0.000 min
Lab File: BM037941.D
Acq: 10 Dec 2022 19:06

Tgt Ion:138 Resp: 200333
Ion Ratio Lower Upper
138 100
92 46.0 36.1 54.1
108 72.6 51.6 77.4

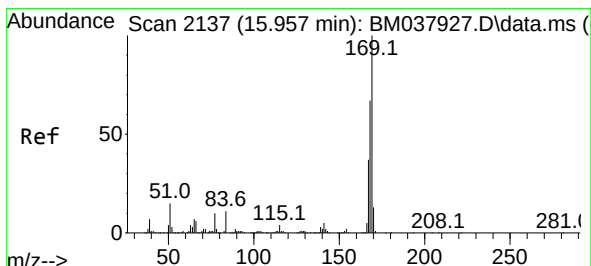
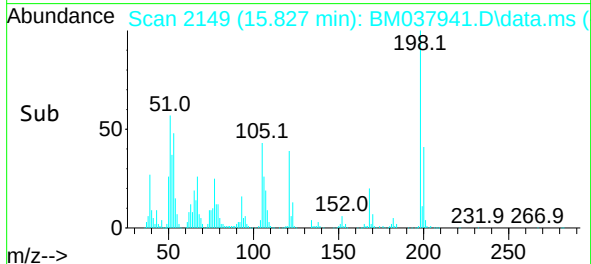
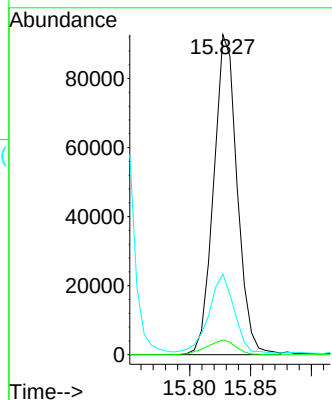
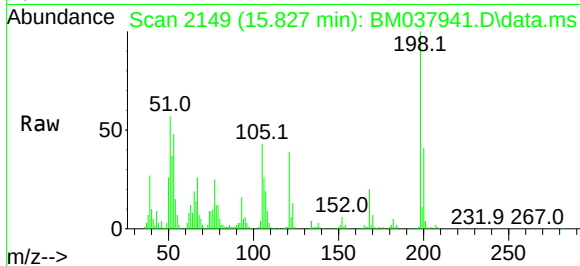




#66
 4,6-Dinitro-2-methylphenol
 Concen: 28.597 ng/ul
 RT: 15.827 min Scan# 2115
 Delta R.T. -0.006 min
 Lab File: BM037941.D
 Acq: 10 Dec 2022 19:06

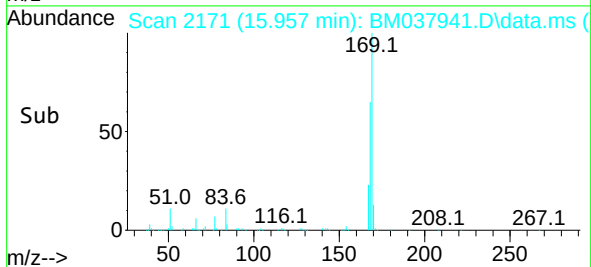
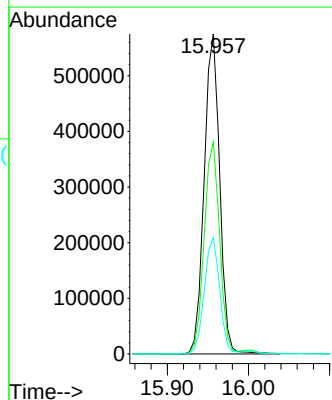
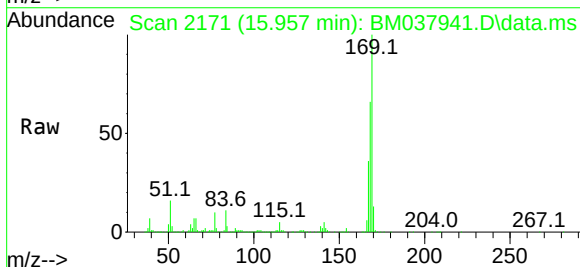
Instrument :
 BNA_M
 ClientSampleId :
 SLCS543

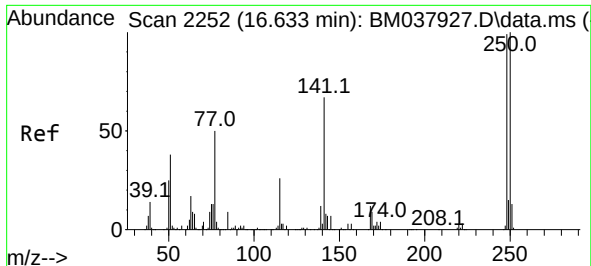
Tgt Ion:198 Resp: 124694
 Ion Ratio Lower Upper
 198 100
 182 4.6 3.8 5.8
 77 25.1 19.3 28.9



#67
 N-Nitrosodiphenylamine
 Concen: 30.011 ng/ul
 RT: 15.957 min Scan# 2171
 Delta R.T. -0.000 min
 Lab File: BM037941.D
 Acq: 10 Dec 2022 19:06

Tgt Ion:169 Resp: 762640
 Ion Ratio Lower Upper
 169 100
 168 66.2 53.8 80.8
 167 36.4 29.3 43.9

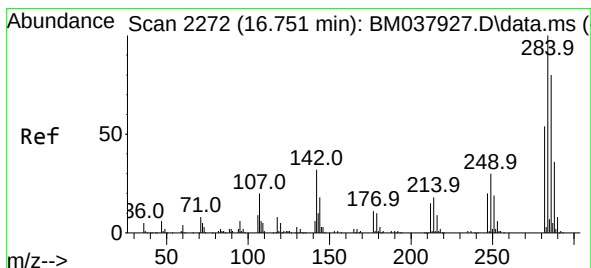
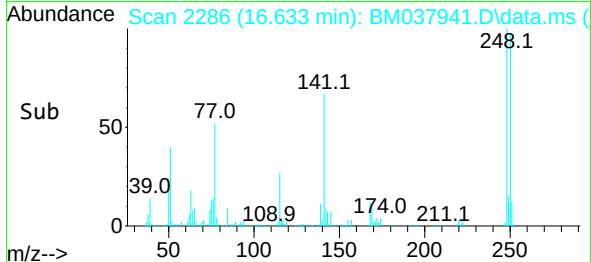
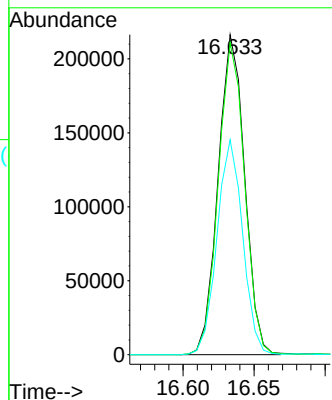
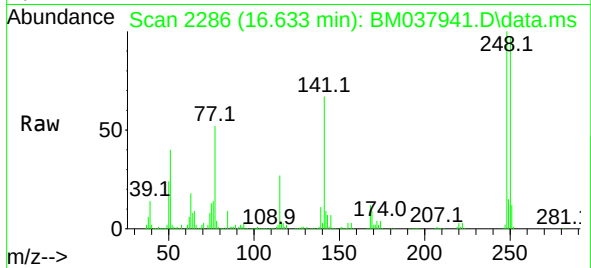




#68
4-Bromophenyl-phenylether
Concen: 30.408 ng/ul
RT: 16.633 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM037941.D
Acq: 10 Dec 2022 19:06

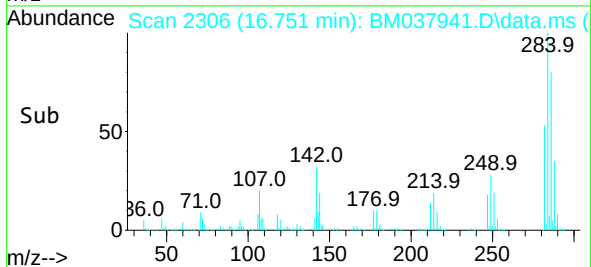
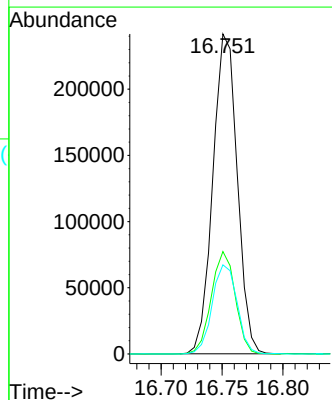
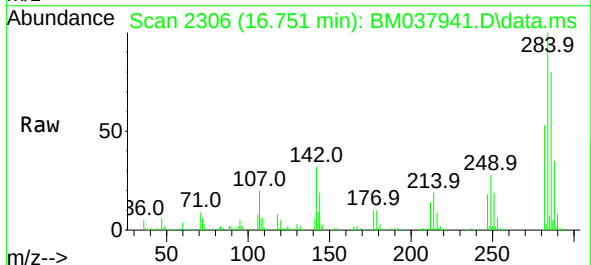
Instrument :
BNA_M
ClientSampleId :
SLCS543

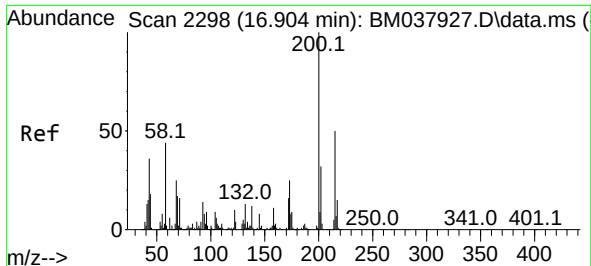
Tgt Ion:248 Resp: 280816
Ion Ratio Lower Upper
248 100
250 97.5 78.7 118.1
141 67.1 52.7 79.1



#69
Hexachlorobenzene
Concen: 30.523 ng/ul
RT: 16.751 min Scan# 2306
Delta R.T. -0.006 min
Lab File: BM037941.D
Acq: 10 Dec 2022 19:06

Tgt Ion:284 Resp: 336465
Ion Ratio Lower Upper
284 100
142 32.0 23.1 34.7
249 27.9 23.3 34.9

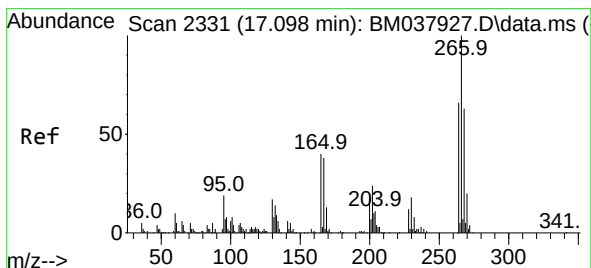
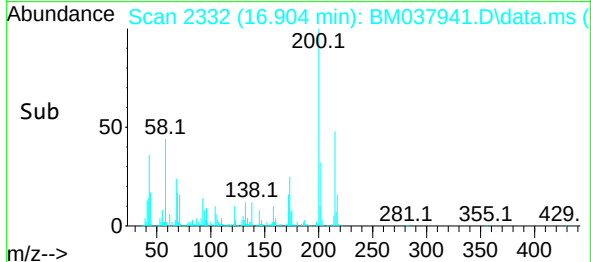
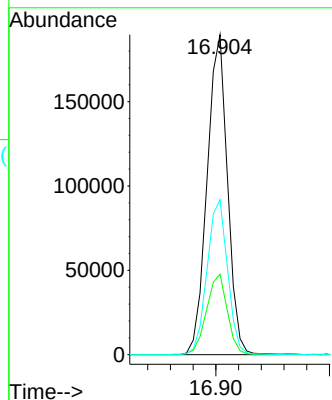
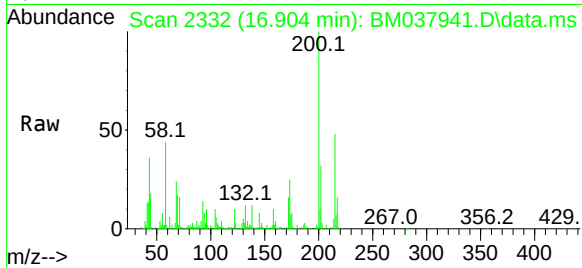




#70
Atrazine
Concen: 27.290 ng/ul
RT: 16.904 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM037941.D
Acq: 10 Dec 2022 19:06

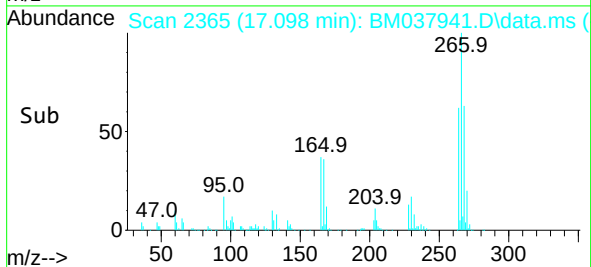
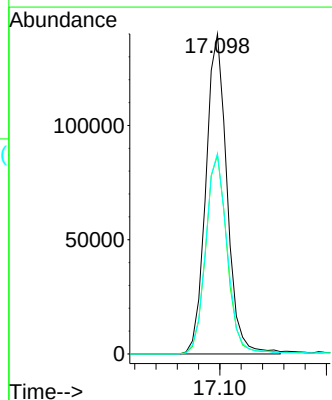
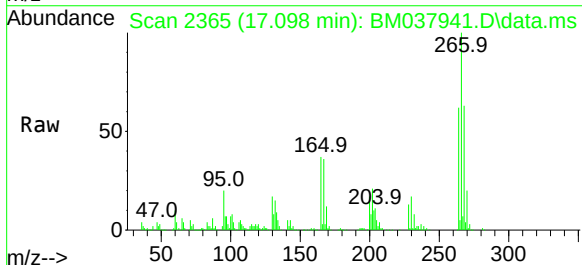
Instrument :
BNA_M
ClientSampleId :
SLCS543

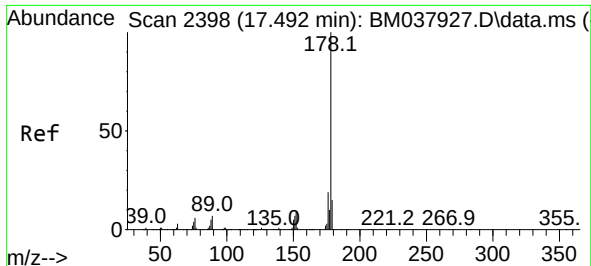
Tgt Ion:200 Resp: 236993
Ion Ratio Lower Upper
200 100
173 25.2 20.5 30.7
215 48.5 40.1 60.1



#71
Pentachlorophenol
Concen: 31.478 ng/ul
RT: 17.098 min Scan# 2365
Delta R.T. -0.000 min
Lab File: BM037941.D
Acq: 10 Dec 2022 19:06

Tgt Ion:266 Resp: 192921
Ion Ratio Lower Upper
266 100
264 62.1 50.1 75.1
268 62.7 50.6 75.8

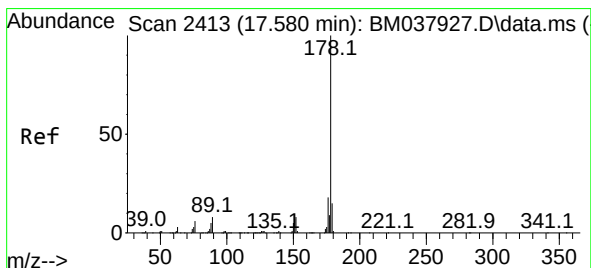
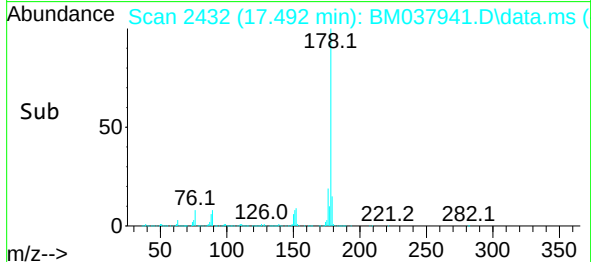
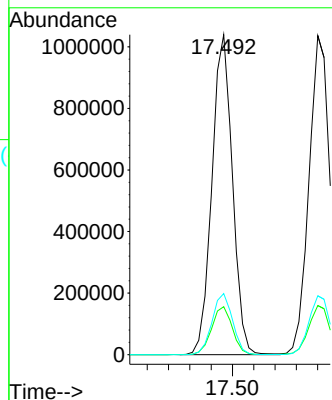
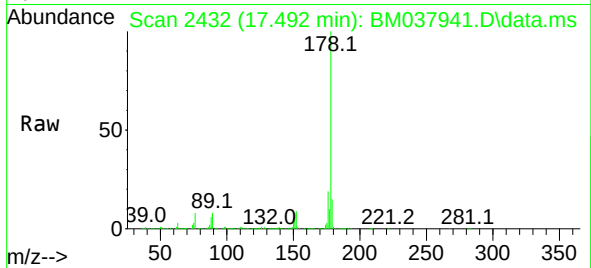




#72
Phenanthrene
Concen: 30.191 ng/u1
RT: 17.492 min Scan# 2441
Delta R.T. -0.000 min
Lab File: BM037941.D
Acq: 10 Dec 2022 19:06

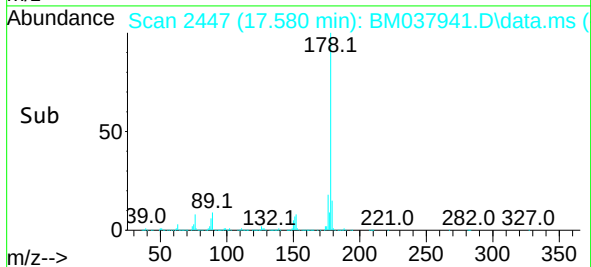
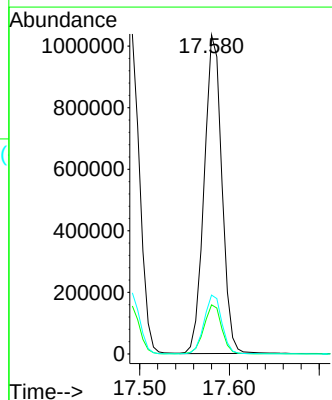
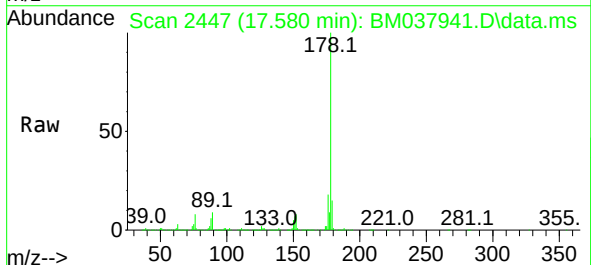
Instrument :
BNA_M
ClientSampleId :
SLCS543

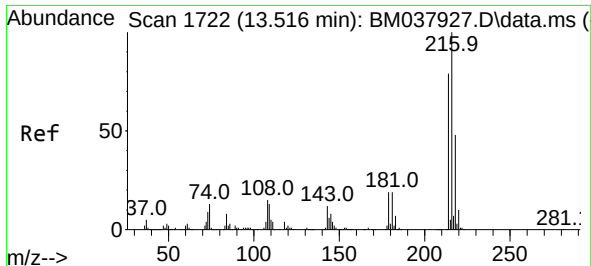
Tgt Ion:178 Resp: 1388978
Ion Ratio Lower Upper
178 100
179 15.0 12.2 18.2
176 19.1 15.4 23.0



#74
Anthracene
Concen: 30.305 ng/u1
RT: 17.580 min Scan# 2447
Delta R.T. -0.006 min
Lab File: BM037941.D
Acq: 10 Dec 2022 19:06

Tgt Ion:178 Resp: 1416852
Ion Ratio Lower Upper
178 100
179 15.4 11.8 17.8
176 18.4 15.0 22.6

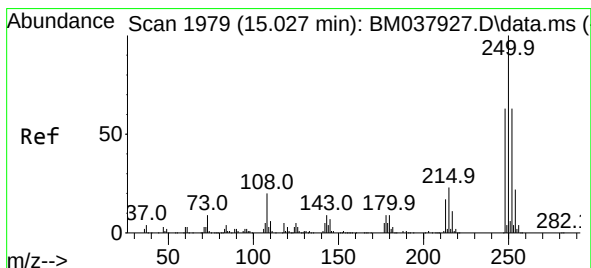
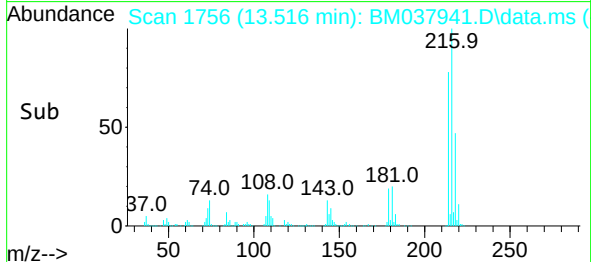
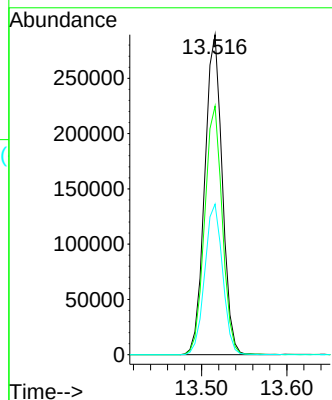
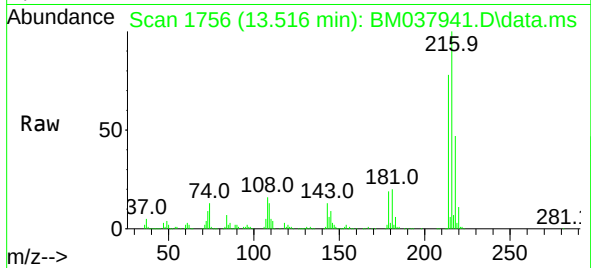




#75
1,2,3,4-Tetrachlorobenzene
Concen: 30.457 ng/uL
RT: 13.516 min Scan# 11
Delta R.T. -0.000 min
Lab File: BM037941.D
Acq: 10 Dec 2022 19:06

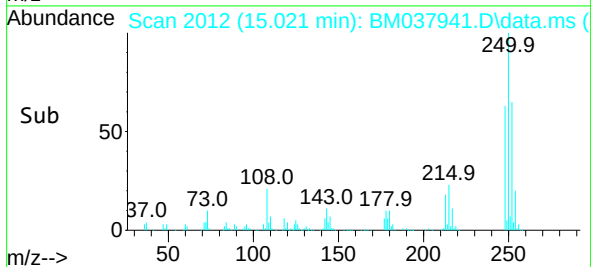
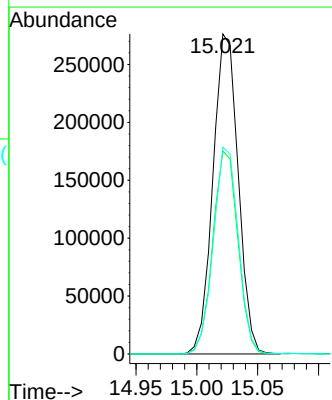
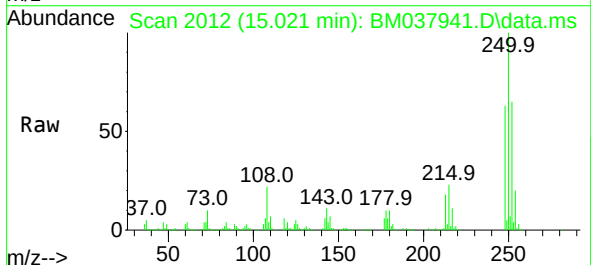
Instrument :
BNA_M
ClientSampleId :
SLCS543

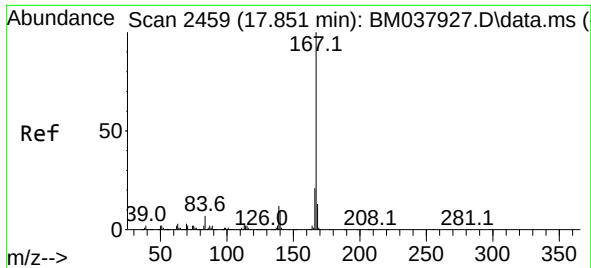
Tgt Ion:216 Resp: 414810
Ion Ratio Lower Upper
216 100
214 77.7 62.6 93.8
218 47.1 38.3 57.5



#76
Pentachlorobenzene
Concen: 29.568 ng/uL
RT: 15.021 min Scan# 2012
Delta R.T. -0.006 min
Lab File: BM037941.D
Acq: 10 Dec 2022 19:06

Tgt Ion:250 Resp: 398913
Ion Ratio Lower Upper
250 100
248 63.4 51.0 76.4
252 64.6 51.8 77.6

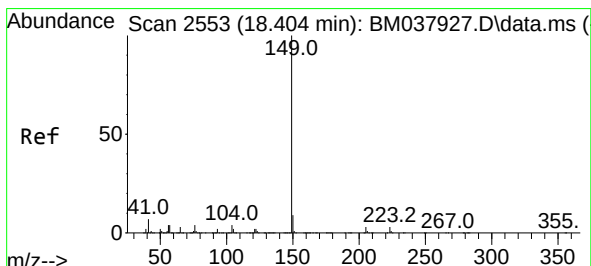
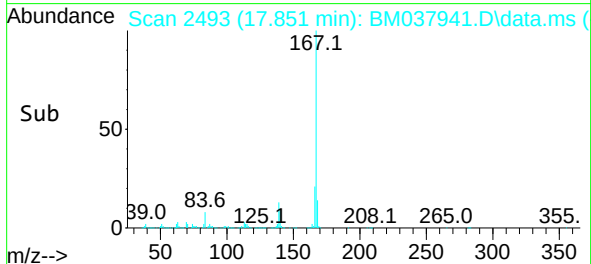
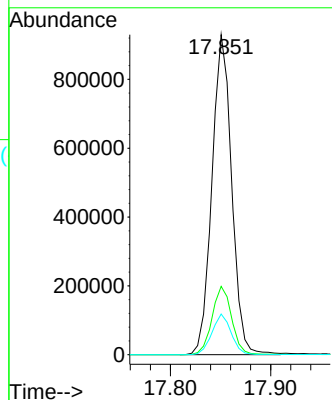
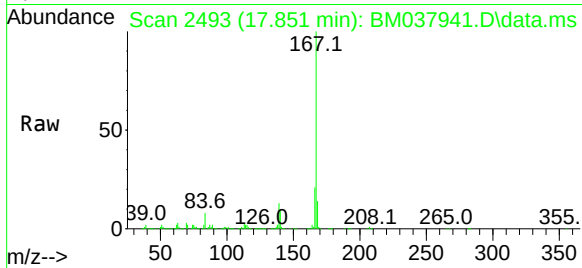




#77
 Carbazole
 Concen: 31.399 ng/ul
 RT: 17.851 min Scan# 2459
 Delta R.T. -0.006 min
 Lab File: BM037941.D
 Acq: 10 Dec 2022 19:06

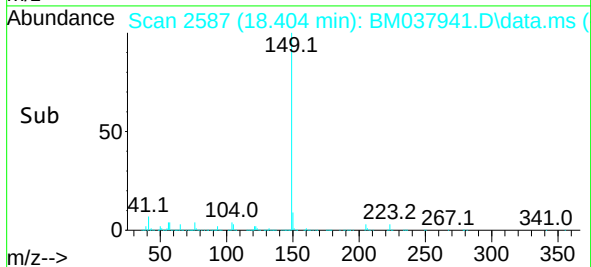
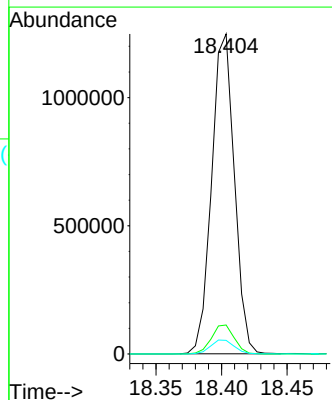
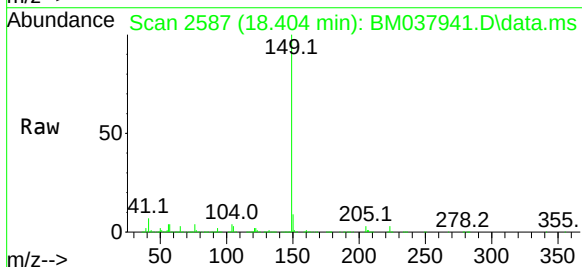
Instrument :
 BNA_M
 ClientSampleId :
 SLCS543

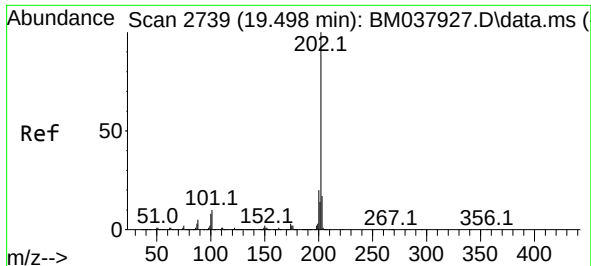
Tgt Ion:167 Resp: 1271848
 Ion Ratio Lower Upper
 167 100
 166 21.4 16.7 25.1
 139 12.7 9.8 14.6



#78
 Di-n-butylphthalate
 Concen: 31.274 ng/ul
 RT: 18.404 min Scan# 2587
 Delta R.T. -0.000 min
 Lab File: BM037941.D
 Acq: 10 Dec 2022 19:06

Tgt Ion:149 Resp: 1505772
 Ion Ratio Lower Upper
 149 100
 150 9.0 7.3 10.9
 104 4.3 3.4 5.2

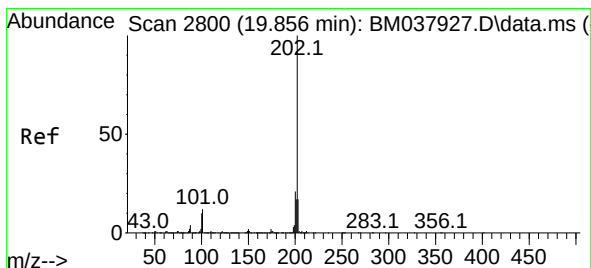
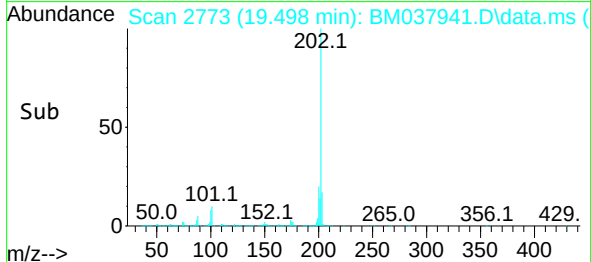
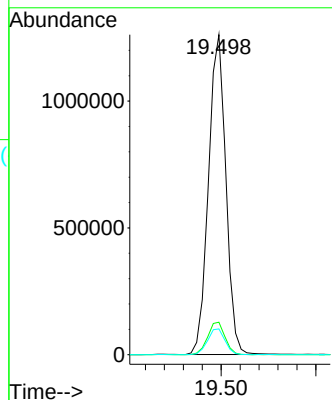
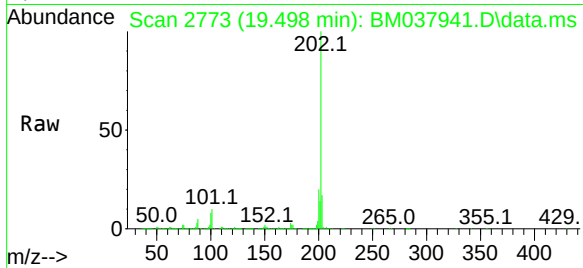




#80
Fluoranthene
Concen: 27.576 ng/ul
RT: 19.498 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM037941.D
Acq: 10 Dec 2022 19:06

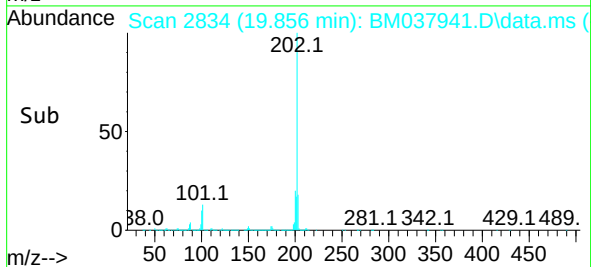
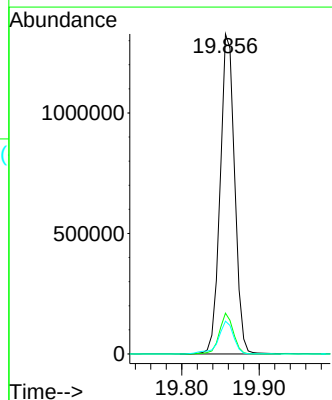
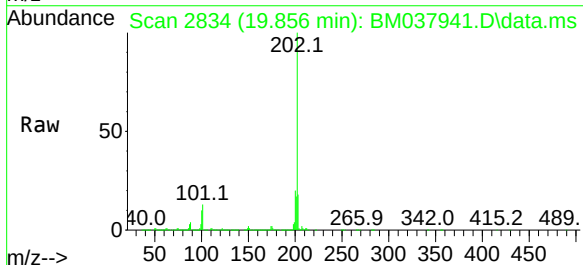
Instrument :
BNA_M
ClientSampleId :
SLCS543

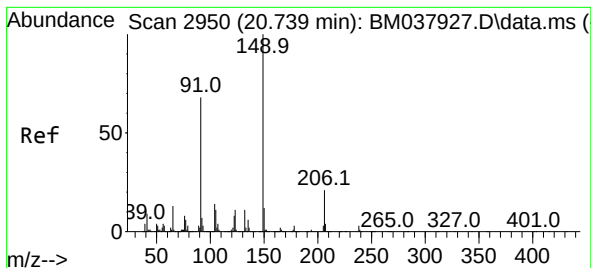
Tgt Ion:202 Resp: 1611164
Ion Ratio Lower Upper
202 100
101 10.1 8.6 13.0
100 8.0 6.6 10.0



#82
Pyrene
Concen: 28.477 ng/ul
RT: 19.856 min Scan# 2834
Delta R.T. -0.006 min
Lab File: BM037941.D
Acq: 10 Dec 2022 19:06

Tgt Ion:202 Resp: 1731561
Ion Ratio Lower Upper
202 100
101 12.7 10.0 15.0
100 10.2 7.9 11.9





#83

Butylbenzylphthalate

Concen: 28.665 ng/ul

RT: 20.739 min Scan# 2950

Delta R.T. -0.006 min

Lab File: BM037941.D

Acq: 10 Dec 2022 19:06

Instrument :

BNA_M

ClientSampleId :

SLCS543

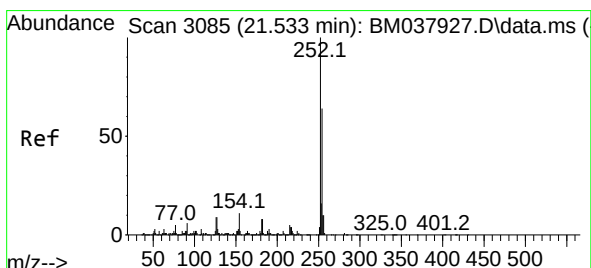
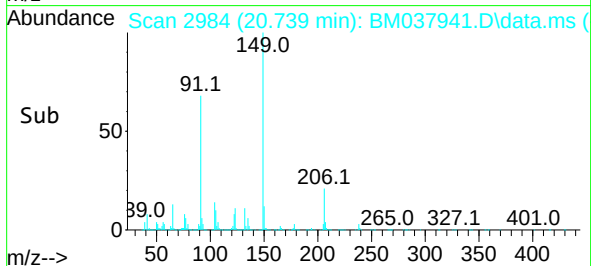
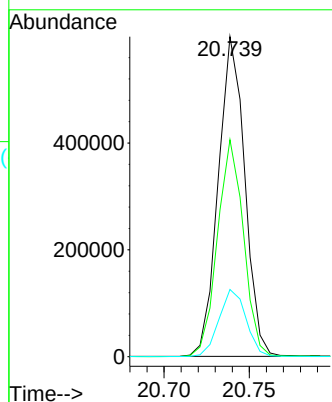
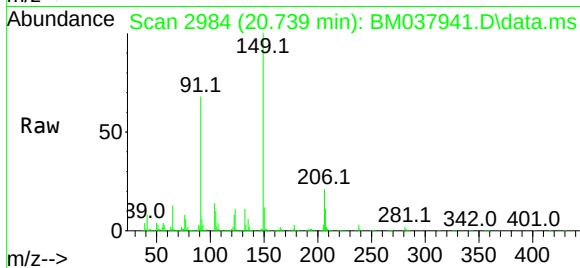
Tgt Ion:149 Resp: 648127

Ion Ratio Lower Upper

149 100

91 67.8 54.5 81.7

206 21.0 15.8 23.8



#84

3,3'-Dichlorobenzidine

Concen: 33.592 ng/ul

RT: 21.533 min Scan# 3119

Delta R.T. -0.000 min

Lab File: BM037941.D

Acq: 10 Dec 2022 19:06

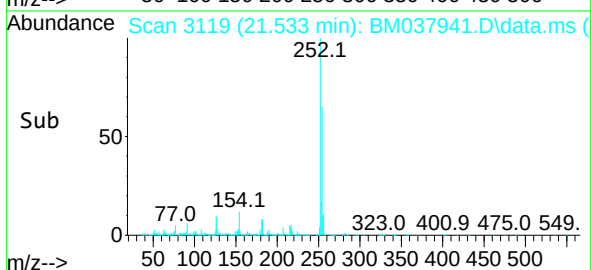
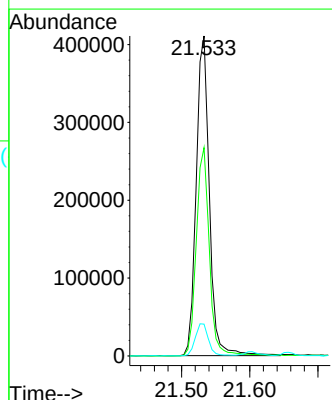
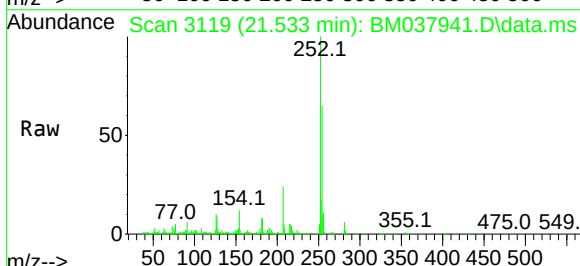
Tgt Ion:252 Resp: 547801

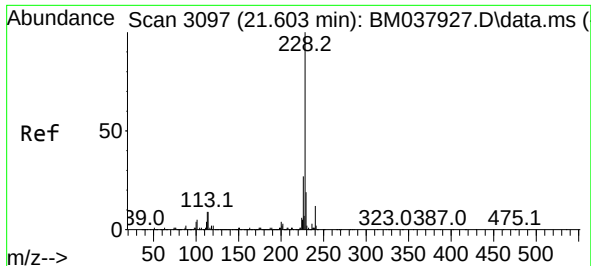
Ion Ratio Lower Upper

252 100

254 65.1 53.2 79.8

126 9.9 7.8 11.8

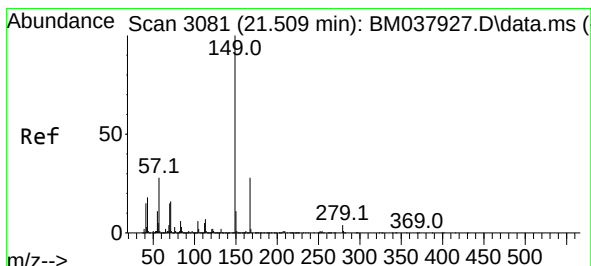
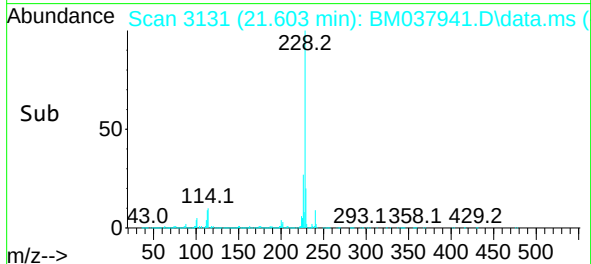
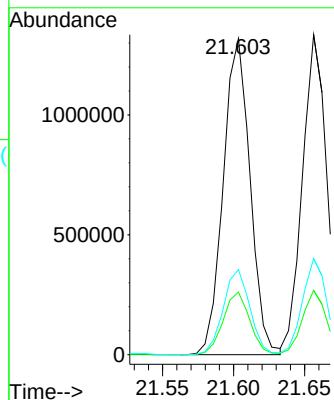
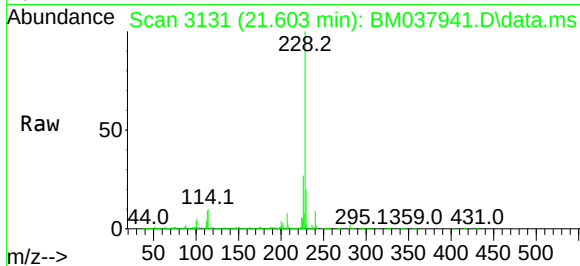




#85
Benzo(a)anthracene
Concen: 31.248 ng/ul
RT: 21.603 min Scan# 3115
Delta R.T. -0.000 min
Lab File: BM037941.D
Acq: 10 Dec 2022 19:06

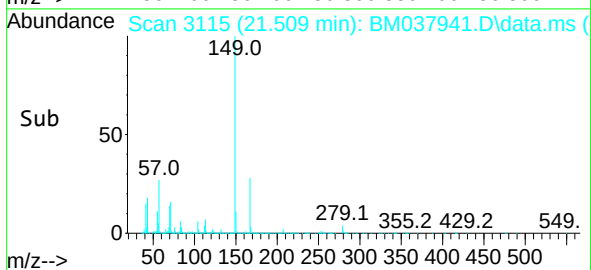
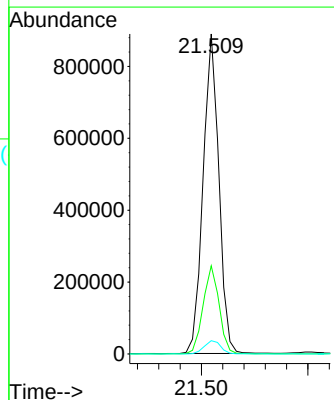
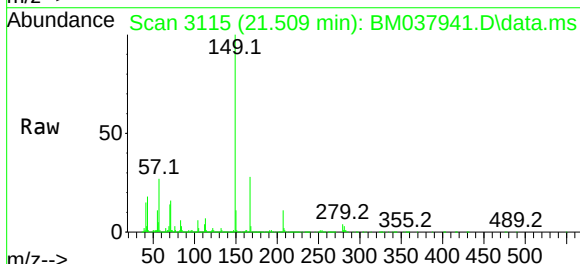
Instrument :
BNA_M
ClientSampleId :
SLCS543

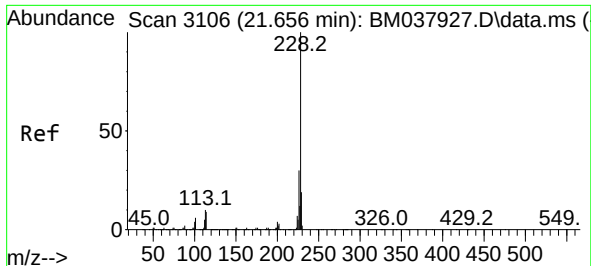
Tgt Ion:228 Resp: 1733696
Ion Ratio Lower Upper
228 100
229 19.8 15.5 23.3
226 27.0 21.8 32.8



#86
Bis(2-ethylhexyl)phthalate
Concen: 27.814 ng/ul
RT: 21.509 min Scan# 3115
Delta R.T. -0.000 min
Lab File: BM037941.D
Acq: 10 Dec 2022 19:06

Tgt Ion:149 Resp: 914870
Ion Ratio Lower Upper
149 100
167 27.5 21.5 32.3
279 4.1 3.2 4.8

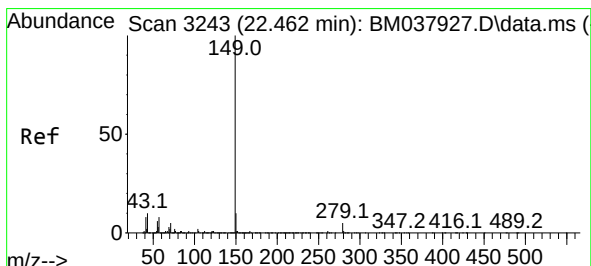
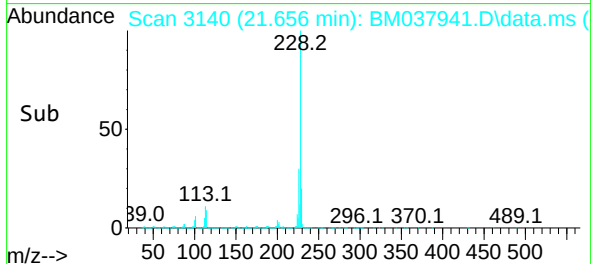
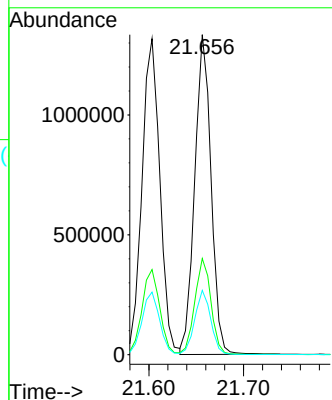
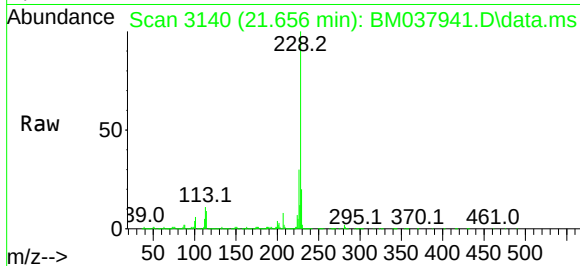




#87
Chrysene
Concen: 30.741 ng/ul
RT: 21.656 min Scan# 3106
Delta R.T. -0.006 min
Lab File: BM037941.D
Acq: 10 Dec 2022 19:06

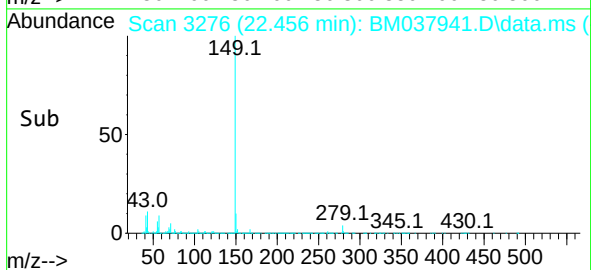
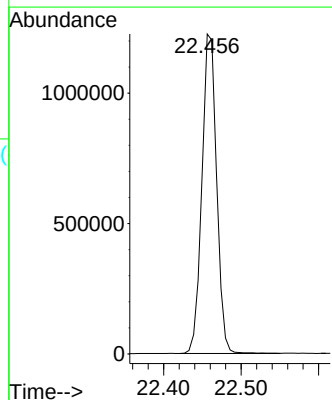
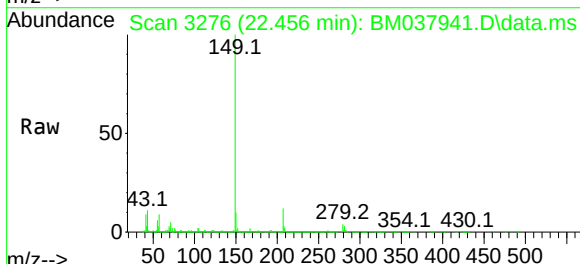
Instrument :
BNA_M
ClientSampleId :
SLCS543

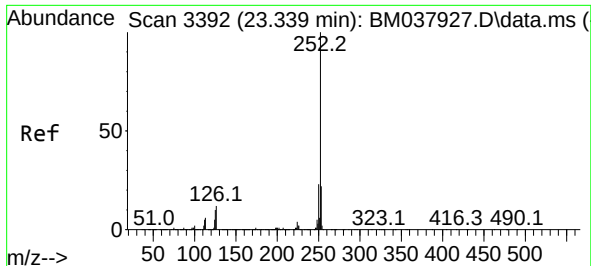
Tgt Ion:228 Resp: 1600284
Ion Ratio Lower Upper
228 100
226 30.0 24.3 36.5
229 20.1 15.6 23.4



#89
Di-n-octyl phthalate
Concen: 27.748 ng/ul
RT: 22.456 min Scan# 3276
Delta R.T. -0.006 min
Lab File: BM037941.D
Acq: 10 Dec 2022 19:06

Tgt Ion:149 Resp: 1617322

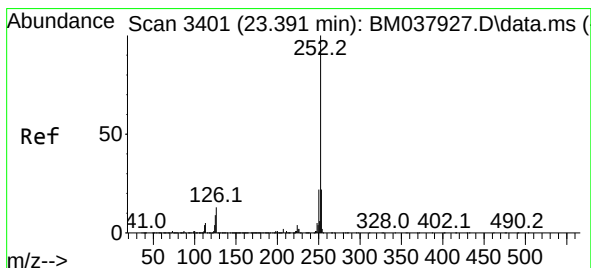
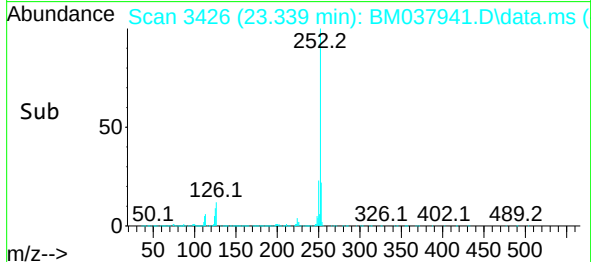
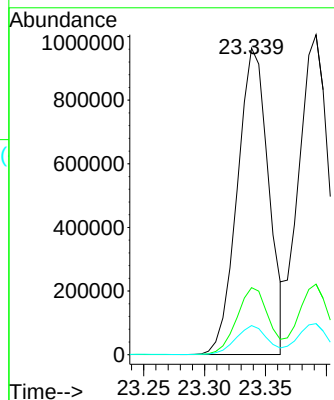
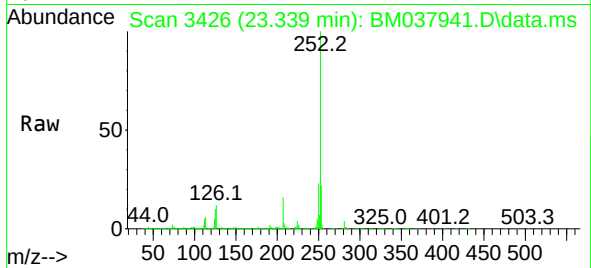




#90
Benzo(b)fluoranthene
Concen: 30.596 ng/ul
RT: 23.339 min Scan# 34
Delta R.T. -0.006 min
Lab File: BM037941.D
Acq: 10 Dec 2022 19:06

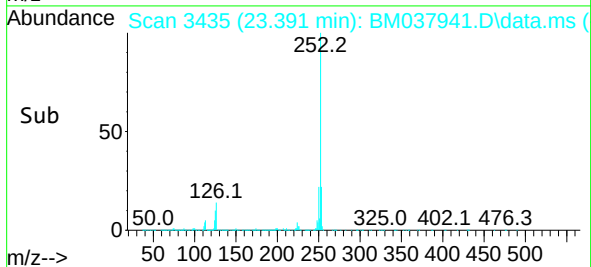
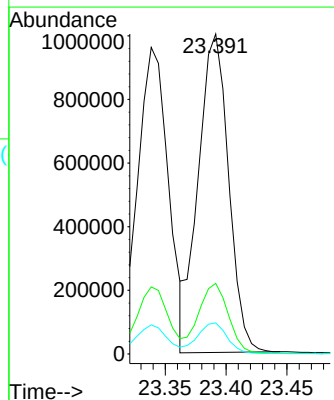
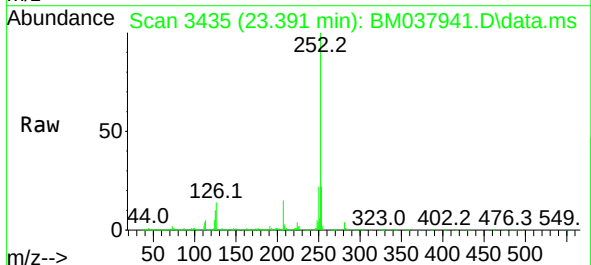
Instrument :
BNA_M
ClientSampleId :
SLCS543

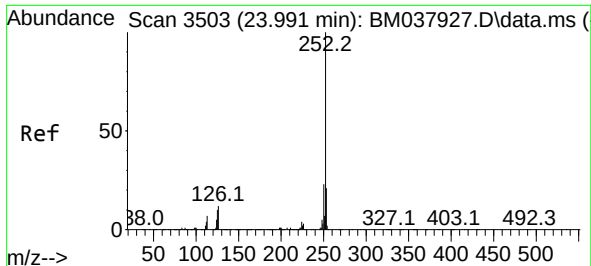
Tgt Ion:252 Resp: 1725389
Ion Ratio Lower Upper
252 100
253 21.9 17.6 26.4
125 9.5 8.0 12.0



#91
Benzo(k)fluoranthene
Concen: 31.694 ng/ul
RT: 23.391 min Scan# 3435
Delta R.T. -0.000 min
Lab File: BM037941.D
Acq: 10 Dec 2022 19:06

Tgt Ion:252 Resp: 1732209
Ion Ratio Lower Upper
252 100
253 22.1 17.4 26.2
125 9.7 8.1 12.1

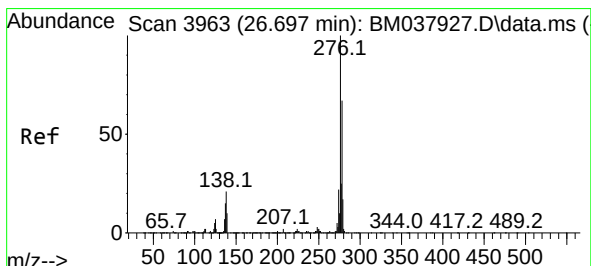
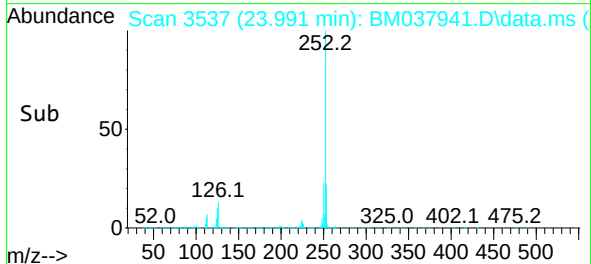
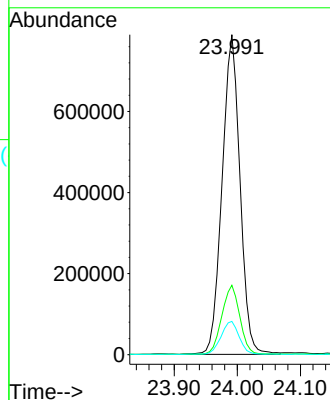
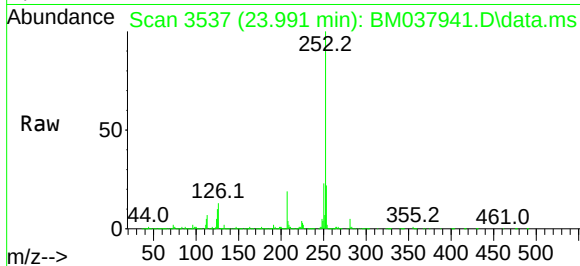




#93
Benzo(a)pyrene
Concen: 31.289 ng/ul
RT: 23.991 min Scan# 31
Delta R.T. -0.000 min
Lab File: BM037941.D
Acq: 10 Dec 2022 19:06

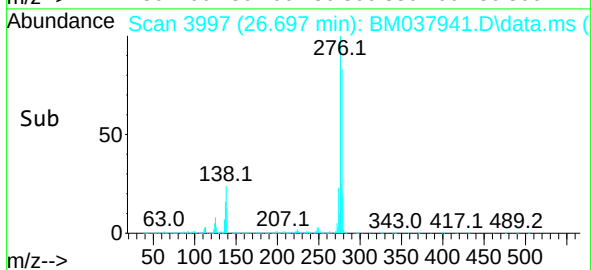
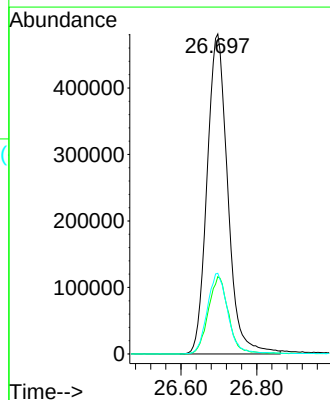
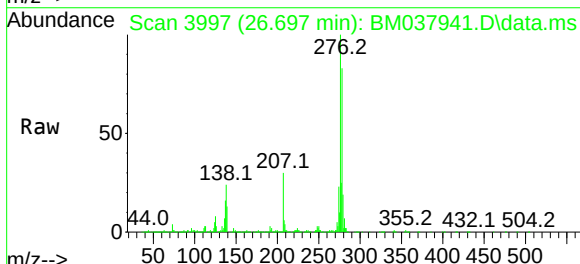
Instrument :
BNA_M
ClientSampleId :
SLCS543

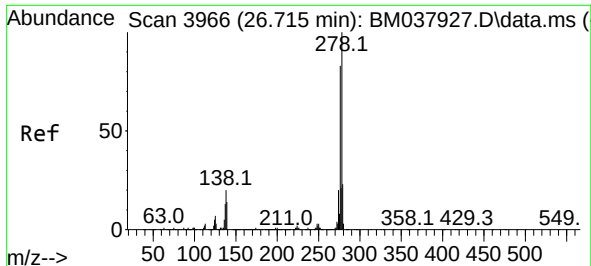
Tgt Ion:252 Resp: 1551636
Ion Ratio Lower Upper
252 100
253 21.7 17.4 26.0
125 10.4 9.4 14.0



#94
Indeno(1,2,3-cd)pyrene
Concen: 28.498 ng/ul
RT: 26.697 min Scan# 3997
Delta R.T. -0.006 min
Lab File: BM037941.D
Acq: 10 Dec 2022 19:06

Tgt Ion:276 Resp: 1820125
Ion Ratio Lower Upper
276 100
138 24.2 19.3 28.9
277 25.2 19.8 29.8

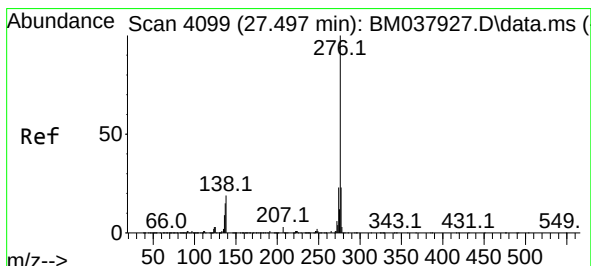
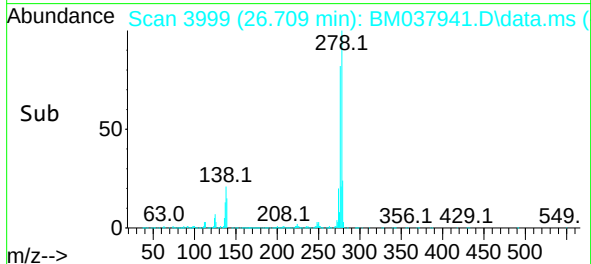
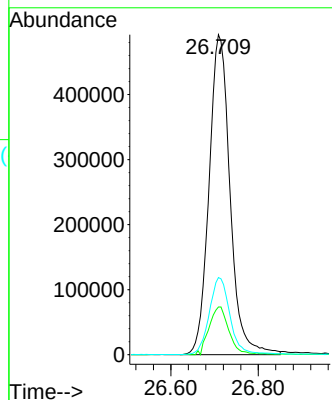
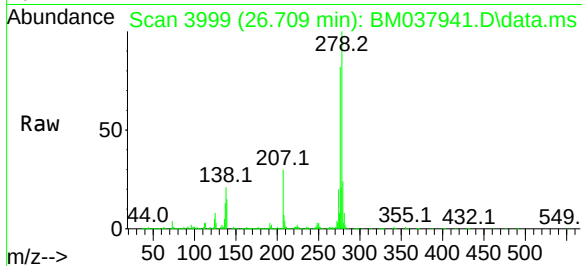




#95
Dibenzo(a,h)anthracene
Concen: 30.512 ng/ul
RT: 26.709 min Scan# 3966
Delta R.T. -0.006 min
Lab File: BM037941.D
Acq: 10 Dec 2022 19:06

Instrument :
BNA_M
ClientSampleId :
SLCS543

Tgt Ion:278 Resp: 1642828
Ion Ratio Lower Upper
278 100
139 14.9 12.4 18.6
279 24.1 19.8 29.6



#96
Benzo(g,h,i)perylene
Concen: 28.752 ng/ul
RT: 27.497 min Scan# 4133
Delta R.T. -0.006 min
Lab File: BM037941.D
Acq: 10 Dec 2022 19:06

Tgt Ion:276 Resp: 1466164
Ion Ratio Lower Upper
276 100
138 20.0 17.1 25.7
277 23.6 18.2 27.4

