

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP122823\
 Data File : BP019156.D
 Acq On : 29 Dec 2023 09:33
 Operator : MA/JU
 Sample : PB158091BS
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SLCS091

Quant Time: Dec 29 10:16:15 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP122723.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Dec 29 03:48:11 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.805	152	182157	20.000	ng/u1	0.00
20) Naphthalene-d8	10.599	136	653901	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.445	164	373417	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.204	188	806206	20.000	ng/u1	0.00
79) Chrysene-d12	21.310	240	891085	20.000	ng/u1	0.00
88) Perylene-d12	23.674	264	1109109	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.234	96	36408	6.826	ng/uL	0.00
4) Pyridine-d5	3.652	84	458872	34.277	ng/u1	0.00
7) Phenol-d5	6.981	99	523942	32.074	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.146	67	313348	33.158	ng/u1	0.00
11) 2-Chlorophenol-d4	7.334	132	426885	32.415	ng/u1	0.00
15) 4-Methylphenol-d8	8.528	113	395380	31.089	ng/u1	0.00
21) Nitrobenzene-d5	8.969	128	193488	34.230	ng/u1	0.00
24) 2-Nitrophenol-d4	9.687	143	215247	35.234	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.228	165	417621	33.854	ng/u1	0.00
31) 4-Chloroaniline-d4	10.746	131	464556	30.616	ng/u1	0.00
46) Dimethylphthalate-d6	13.869	166	1049623	31.823	ng/u1	0.00
49) Acenaphthylene-d8	14.140	160	1220471	34.102	ng/u1	0.00
54) 4-Nitrophenol-d4	14.669	143	178440	32.038	ng/u1	0.00
60) Fluorene-d10	15.445	176	909814	31.929	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.575	200	179703	34.001	ng/u1	0.00
73) Anthracene-d10	17.304	188	1408830	33.462	ng/u1	0.00
81) Pyrene-d10	19.551	212	1779130	32.761	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.521	264	2151211	33.744	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.270	88	70544	12.030	ng/uL	98
5) Pyridine	3.675	79	452475	33.298	ng/u1	99
6) Benzaldehyde	6.946	77	277888	36.638	ng/u1	98
8) Phenol	7.011	94	517168	32.053	ng/u1	99
10) Bis(2-Chloroethyl)ether	7.240	93	425914	32.625	ng/u1	98
12) 2-Chlorophenol	7.369	128	426133	31.615	ng/u1	98
13) 2-Methylphenol	8.258	108	373235	31.270	ng/u1	97
14) 2,2'-oxybis(1-Chloropr...	8.334	45	500588	32.505	ng/u1	99
16) Acetophenone	8.634	105	596767	31.330	ng/u1	99
17) N-Nitroso-di-n-propyla...	8.622	70	276595	29.121	ng/u1	98
18) 4-Methylphenol	8.587	108	394841	30.733	ng/u1	97
19) Hexachloroethane	8.875	117	185923	32.886	ng/u1	99
22) Nitrobenzene	9.010	77	447133	32.378	ng/u1	98
23) Isophorone	9.540	82	784849	31.517	ng/u1	99
25) 2-Nitrophenol	9.722	139	220951	33.874	ng/u1	98
26) 2,4-Dimethylphenol	9.787	107	386055	33.619	ng/u1	100
27) Bis(2-Chloroethoxy)met...	10.028	93	523535	31.808	ng/u1	98
29) 2,4-Dichlorophenol	10.252	162	388283	32.210	ng/u1	99
30) Naphthalene	10.652	128	1247578	31.644	ng/u1	99
32) 4-Chloroaniline	10.769	127	403390	27.706	ng/u1	99
33) Hexachlorobutadiene	10.934	225	311700	33.598	ng/u1	98
34) Caprolactam	11.557	113	97459	30.608	ng/u1	98
35) 4-Chloro-3-methylphenol	11.904	107	359346	30.367	ng/u1	100
36) 2-Methylnaphthalene	12.263	142	825464	31.055	ng/u1	99

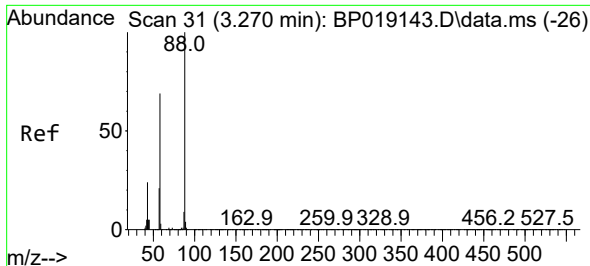
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.487	142	796474	29.714	ng/ul	99
39) 1,2,4,5-Tetrachloroben...	12.634	216	509915	33.156	ng/ul	99
40) Hexachlorocyclopentadiene	12.610	237	298805	35.003	ng/ul	99
41) 2,4,6-Trichlorophenol	12.881	196	302663	32.976	ng/ul	100
42) 2,4,5-Trichlorophenol	12.951	196	326751	33.538	ng/ul	99
43) 1,1'-Biphenyl	13.281	154	1052217	32.302	ng/ul	100
44) 2-Chloronaphthalene	13.322	162	846115	32.371	ng/ul	100
45) 2-Nitroaniline	13.534	65	208161	33.174	ng/ul	93
47) Dimethylphthalate	13.916	163	1016715	31.228	ng/ul	100
48) 2,6-Dinitrotoluene	14.040	165	200031	33.435	ng/ul	95
50) Acenaphthylene	14.169	152	1322632	32.847	ng/ul	99
51) 3-Nitroaniline	14.363	138	177736	30.388	ng/ul	96
52) Acenaphthene	14.510	153	867083	31.772	ng/ul	100
53) 2,4-Dinitrophenol	14.575	184	112679	29.234	ng/ul	97
55) 4-Nitrophenol	14.681	109	138324	31.076	ng/ul	92
56) Dibenzofuran	14.851	168	1215314	31.184	ng/ul	98
57) 2,4-Dinitrotoluene	14.822	165	287982	32.730	ng/ul	99
58) 2,3,4,6-Tetrachlorophenol	15.081	232	281007	33.012	ng/ul	96
59) Diethylphthalate	15.281	149	989276	31.338	ng/ul	99
61) Fluorene	15.498	166	972203	31.167	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.498	204	535101	31.412	ng/ul	99
63) 4-Nitroaniline	15.534	138	193597	32.899	ng/ul	98
66) 4,6-Dinitro-2-methylph...	15.587	198	188182	33.628	ng/ul	99
67) N-Nitrosodiphenylamine	15.716	169	825983	33.569	ng/ul	99
68) 4-Bromophenyl-phenylether	16.392	248	343844	34.314	ng/ul	99
69) Hexachlorobenzene	16.504	284	406104	33.163	ng/ul	99
70) Atrazine	16.675	200	298968	43.054	ng/ul	99
71) Pentachlorophenol	16.851	266	245498	34.146	ng/ul	97
72) Phenanthrene	17.245	178	1590007	32.544	ng/ul	99
74) Anthracene	17.339	178	1609183	33.084	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.246	216	494256	35.259	ng/uL	100
76) Pentachlorobenzene	14.763	250	469716	33.721	ng/uL	99
77) Carbazole	17.616	167	1414961	34.973	ng/ul	100
78) Di-n-butylphthalate	18.175	149	1726321	34.404	ng/ul	100
80) Fluoranthene	19.222	202	2002690	32.137	ng/ul	99
82) Pyrene	19.575	202	2085551	31.943	ng/ul	99
83) Butylbenzylphthalate	20.463	149	817906	35.070	ng/ul	97
84) 3,3'-Dichlorobenzidine	21.233	252	751511	33.714	ng/ul	99
85) Benzo(a)anthracene	21.292	228	2343225	33.282	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.222	149	1253261	36.494	ng/ul	100
87) Chrysene	21.345	228	2150396	32.755	ng/ul	99
89) Di-n-octyl phthalate	22.133	149	2307192	36.377	ng/ul	100
90) Benzo(b)fluoranthene	22.951	252	2497437	32.057	ng/ul	99
91) Benzo(k)fluoranthene	23.004	252	2515435	32.859	ng/ul	100
93) Benzo(a)pyrene	23.568	252	2413283	32.912	ng/ul	100
94) Indeno(1,2,3-cd)pyrene	26.133	276	3131196	33.312	ng/ul	99
95) Dibenzo(a,h)anthracene	26.151	278	2611483	33.397	ng/ul	100
96) Benzo(g,h,i)perylene	26.886	276	2528528	33.568	ng/ul	98

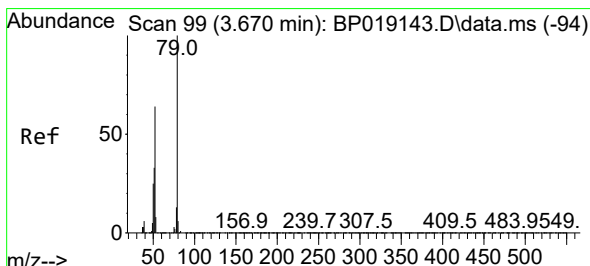
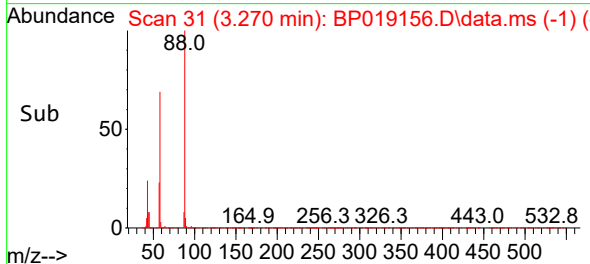
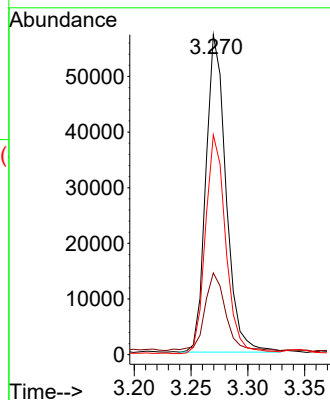
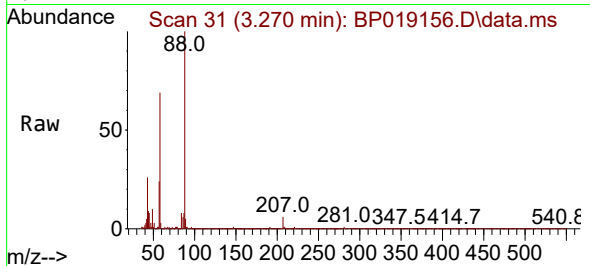
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#2
1,4-Dioxane
Concen: 12.030 ng/uL
RT: 3.270 min Scan# 31
Delta R.T. -0.000 min
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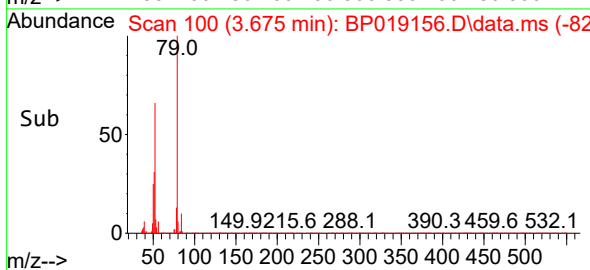
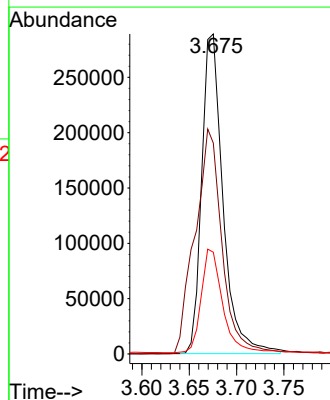
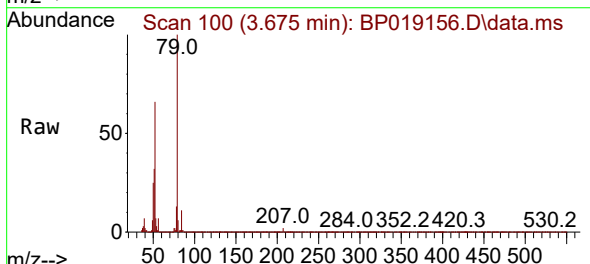
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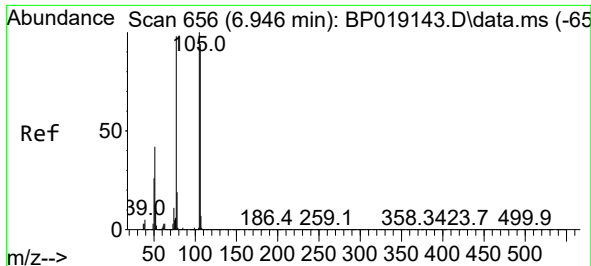
Tgt Ion: 88 Resp: 70544
Ion Ratio Lower Upper
88 100
43 25.5 21.0 31.4
58 68.7 56.6 84.8



#5
Pyridine
Concen: 33.298 ng/uL
RT: 3.675 min Scan# 100
Delta R.T. 0.006 min
Lab File: BP019156.D
Acq: 29 Dec 2023 09:33

Tgt Ion: 79 Resp: 452475
Ion Ratio Lower Upper
79 100
52 65.9 52.4 78.6
51 31.8 25.9 38.9

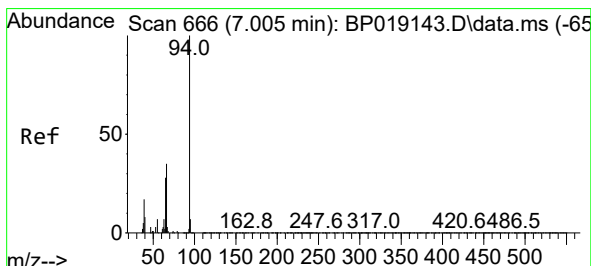
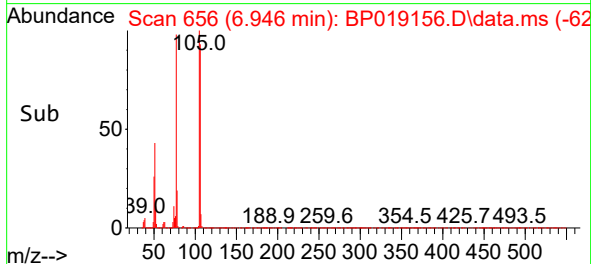
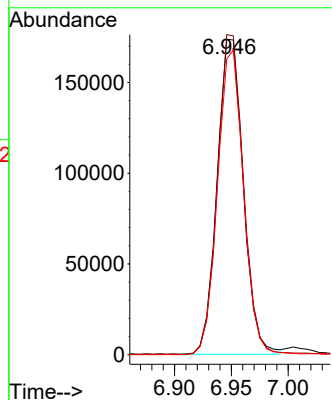
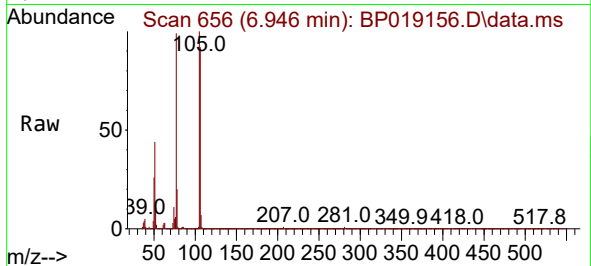




#6
Benzaldehyde
Concen: 36.638 ng/ul
RT: 6.946 min Scan# 656
Delta R.T. -0.000 min
Lab File: BP019156.D
Acq: 29 Dec 2023 09:33

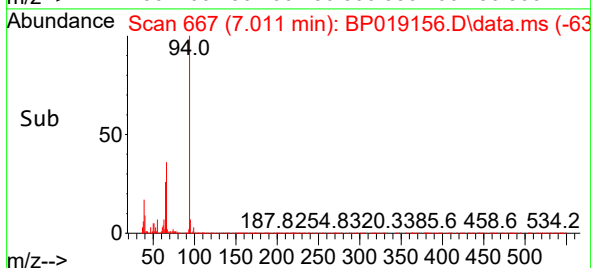
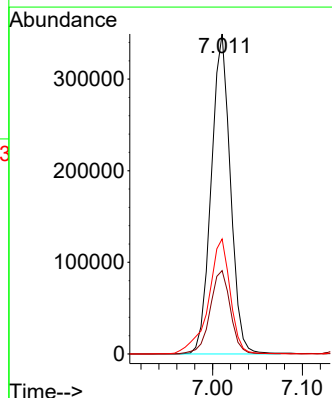
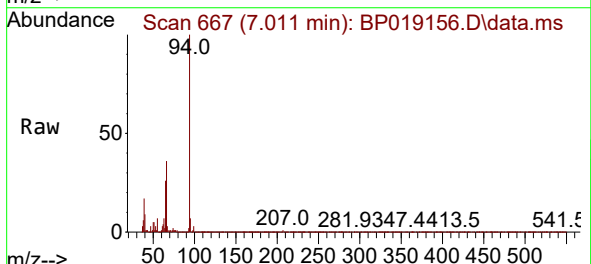
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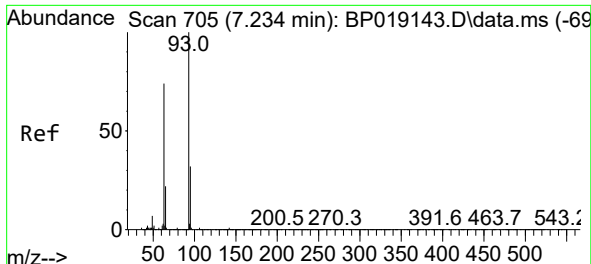
Tgt Ion: 77 Resp: 277888
Ion Ratio Lower Upper
77 100
105 101.5 78.6 117.8
106 93.8 74.8 112.2



#8
Phenol
Concen: 32.053 ng/ul
RT: 7.011 min Scan# 667
Delta R.T. 0.006 min
Lab File: BP019156.D
Acq: 29 Dec 2023 09:33

Tgt Ion: 94 Resp: 517168
Ion Ratio Lower Upper
94 100
65 26.0 21.1 31.7
66 35.9 29.3 43.9

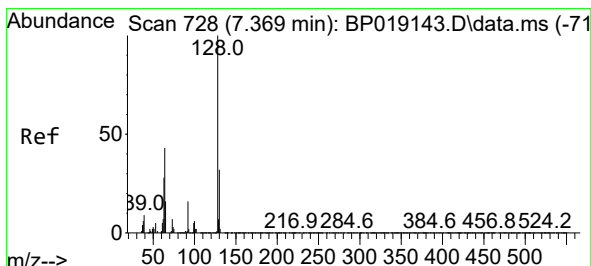
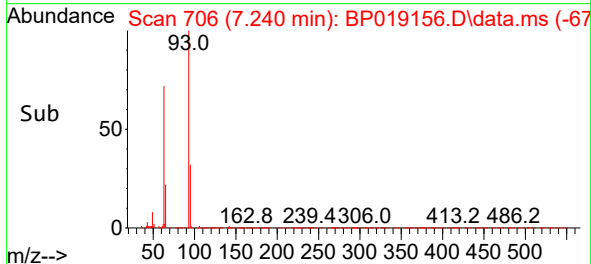
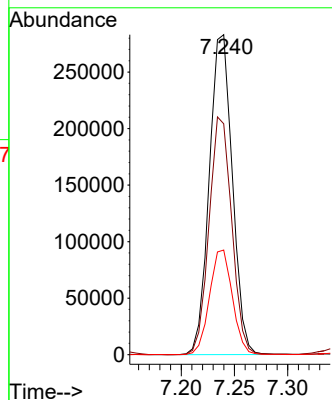
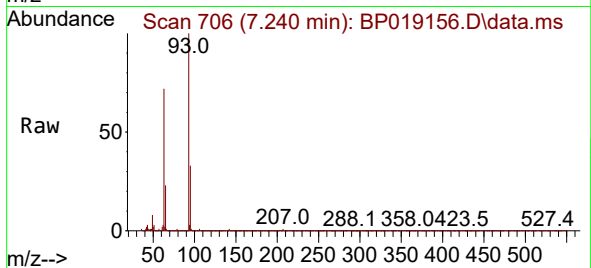




#10
Bis(2-Chloroethyl)ether
Concen: 32.625 ng/ul
RT: 7.240 min Scan# 705
Delta R.T. 0.006 min
Lab File: BP019156.D
Acq: 29 Dec 2023 09:33

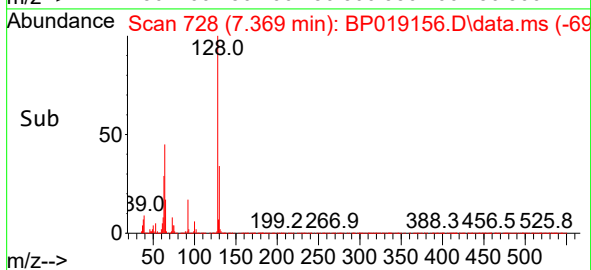
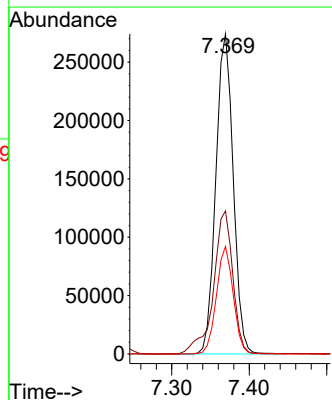
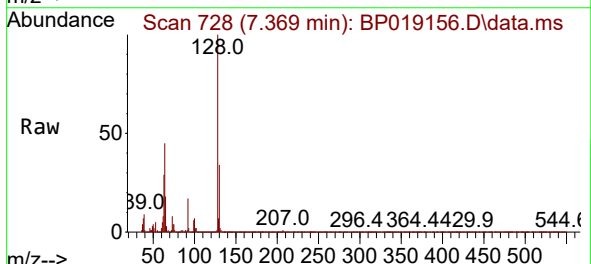
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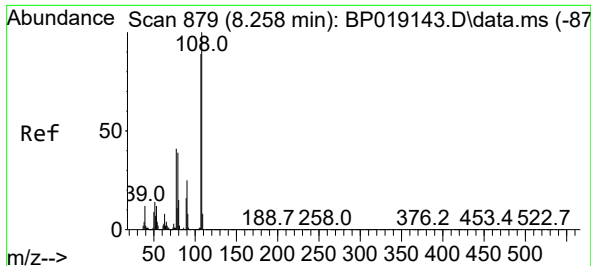
Tgt Ion: 93 Resp: 425914
Ion Ratio Lower Upper
93 100
63 72.2 59.4 89.0
95 32.7 26.6 40.0



#12
2-Chlorophenol
Concen: 31.615 ng/ul
RT: 7.369 min Scan# 728
Delta R.T. -0.000 min
Lab File: BP019156.D
Acq: 29 Dec 2023 09:33

Tgt Ion:128 Resp: 426133
Ion Ratio Lower Upper
128 100
64 44.7 35.9 53.9
130 33.6 25.3 37.9





#13

2-Methylphenol

Concen: 31.270 ng/ul

RT: 8.258 min Scan# 81

Delta R.T. -0.000 min

Lab File: BP019156.D

Acq: 29 Dec 2023 09:33

Instrument :

BNA_P

ClientSampleId :

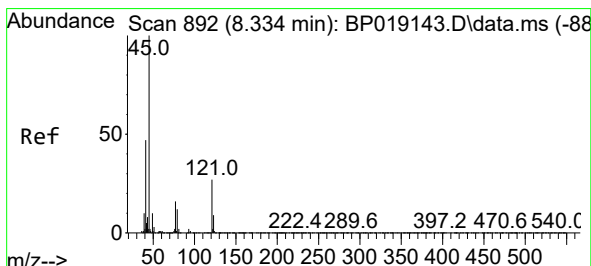
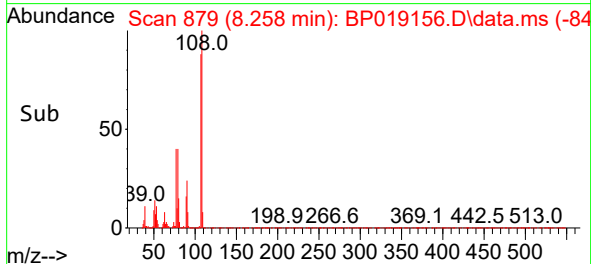
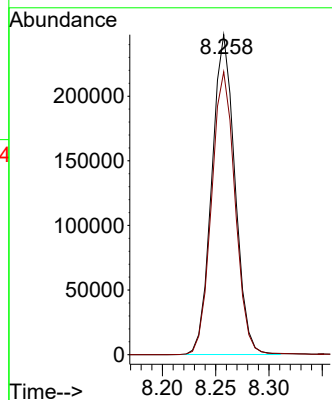
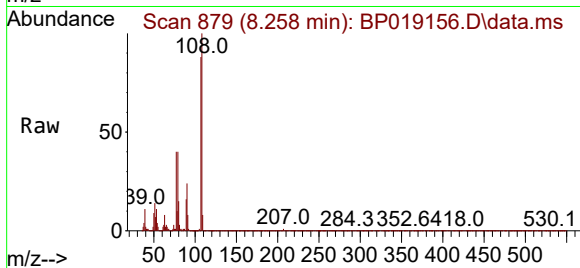
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Tgt Ion:108 Resp: 373235

Ion Ratio Lower Upper

108 100

107 88.4 72.6 109.0



#14

2,2'-oxybis(1-Chloropropane)

Concen: 32.505 ng/ul

RT: 8.334 min Scan# 892

Delta R.T. -0.000 min

Lab File: BP019156.D

Acq: 29 Dec 2023 09:33

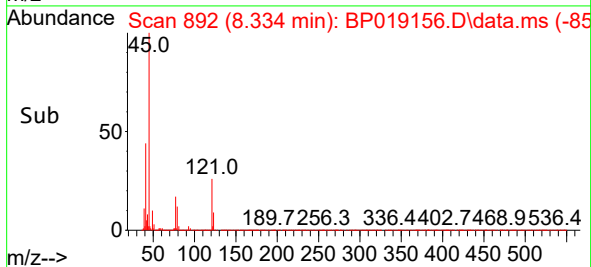
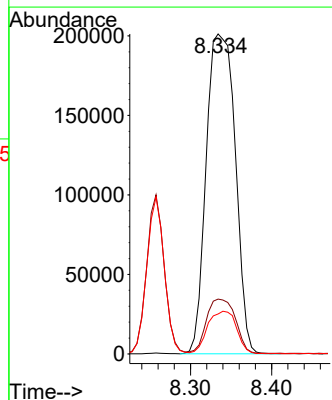
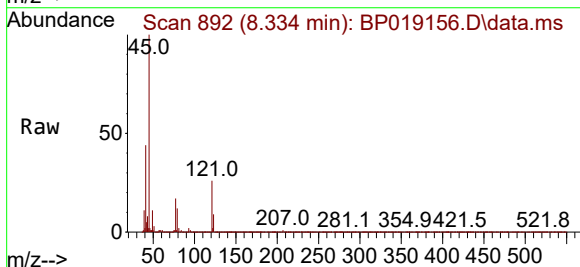
Tgt Ion: 45 Resp: 500588

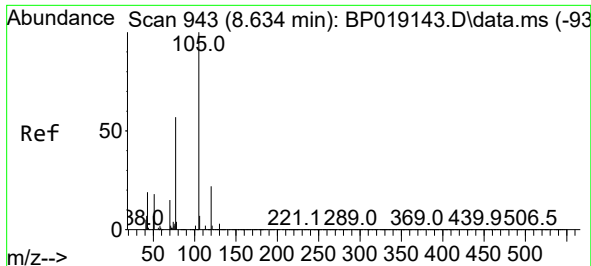
Ion Ratio Lower Upper

45 100

77 17.1 13.6 20.4

79 12.5 9.7 14.5

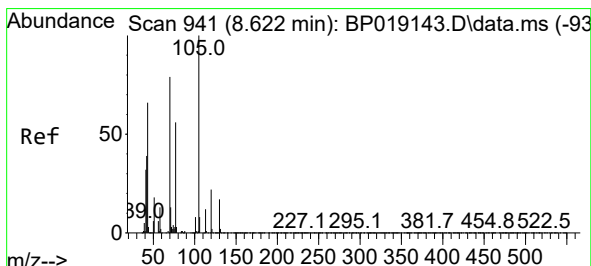
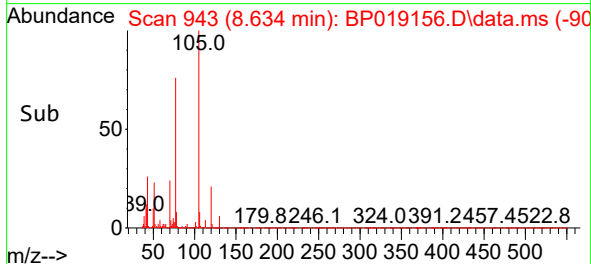
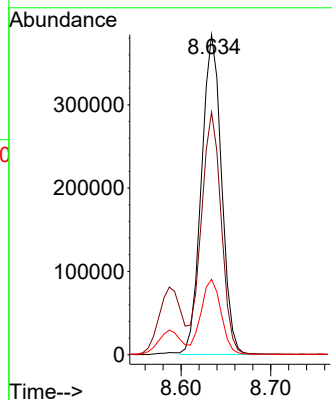
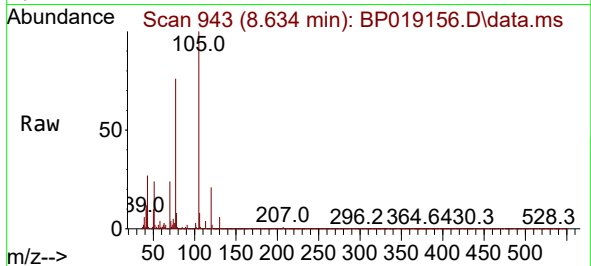




#16
Acetophenone
Concen: 31.330 ng/ul
RT: 8.634 min Scan# 943
Delta R.T. -0.000 min
Lab File: BP019156.D
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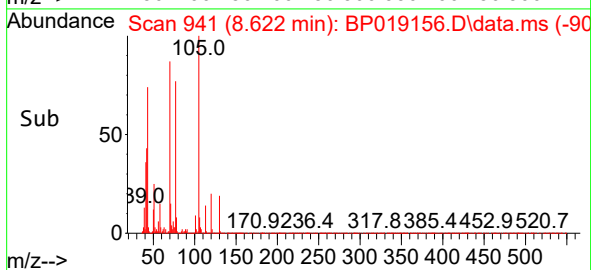
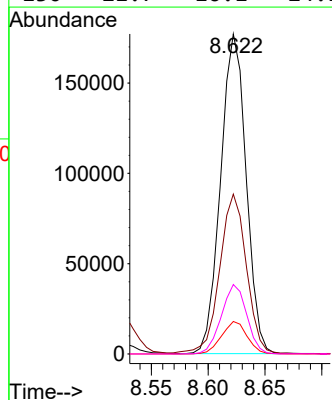
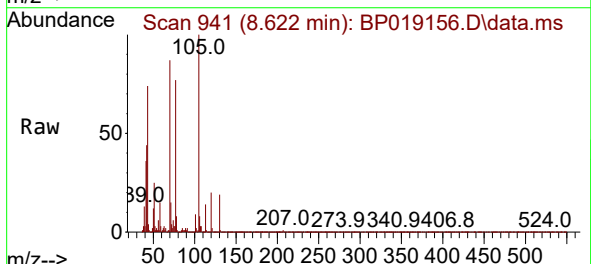
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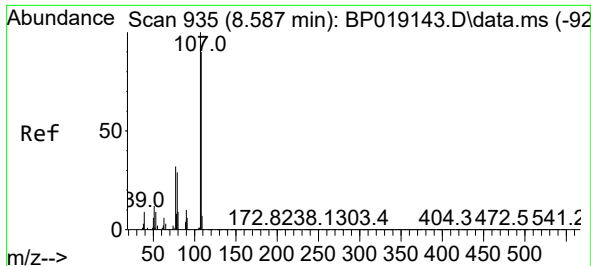
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Ion Ratio Lower Upper
105 100
77 75.8 59.8 89.6
51 23.5 19.3 28.9



#17
N-Nitroso-di-n-propylamine
Concen: 29.121 ng/ul
RT: 8.622 min Scan# 941
Delta R.T. -0.000 min
Lab File: BP019156.D
Acq: 29 Dec 2023 09:33

Tgt Ion: 70 Resp: 276595
Ion Ratio Lower Upper
70 100
42 49.9 40.6 61.0
101 10.1 7.3 10.9
130 21.7 16.1 24.1

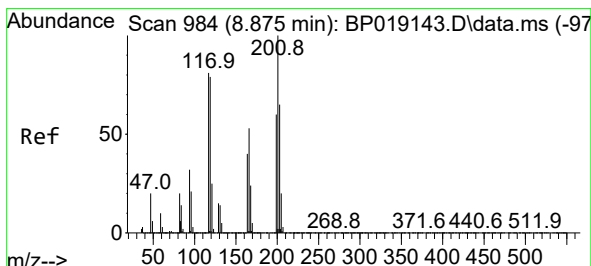
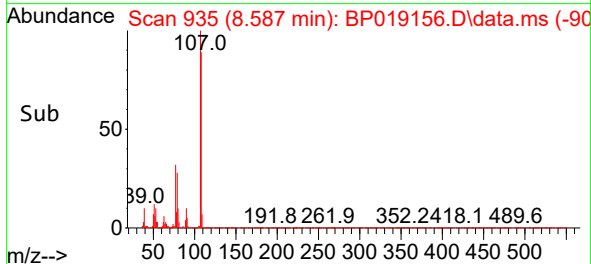
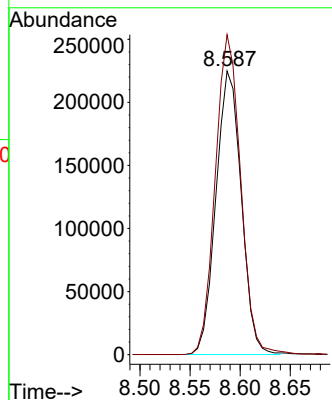
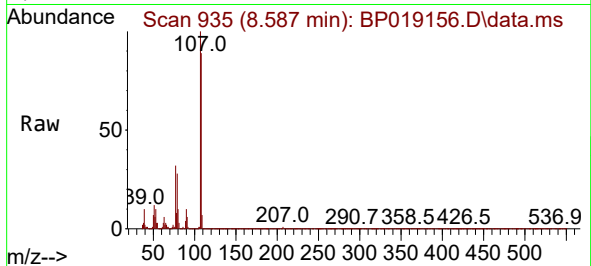




#18
4-Methylphenol
Concen: 30.733 ng/ul
RT: 8.587 min Scan# 91
Delta R.T. -0.000 min
Lab File: BP019156.D
Acq: 29 Dec 2023 09:33

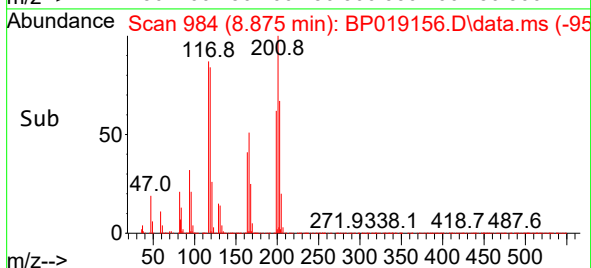
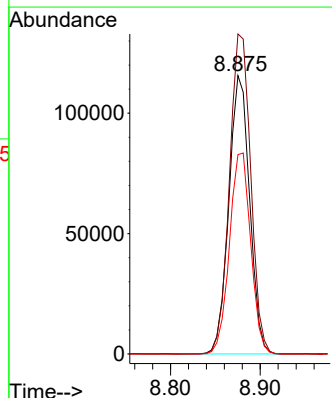
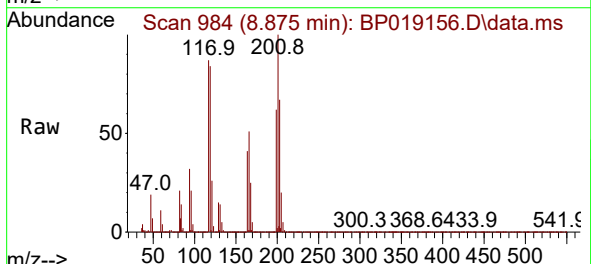
Instrument :
BNA_P
ClientSampleId :
SLCS091

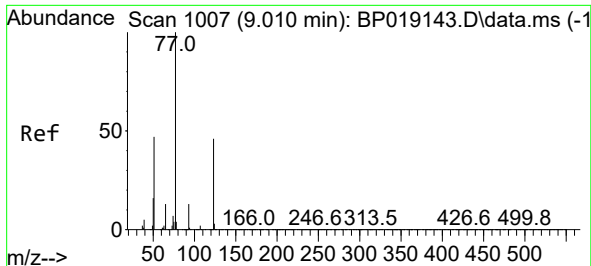
Tgt Ion:108 Resp: 394841
Ion Ratio Lower Upper
108 100
107 112.8 88.1 132.1



#19
Hexachloroethane
Concen: 32.886 ng/ul
RT: 8.875 min Scan# 984
Delta R.T. -0.000 min
Lab File: BP019156.D
Acq: 29 Dec 2023 09:33

Tgt Ion:117 Resp: 185923
Ion Ratio Lower Upper
117 100
201 115.0 92.5 138.7
199 71.6 56.9 85.3

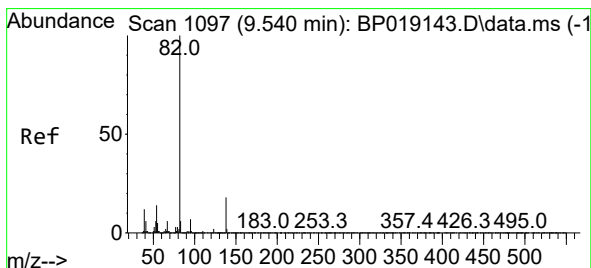
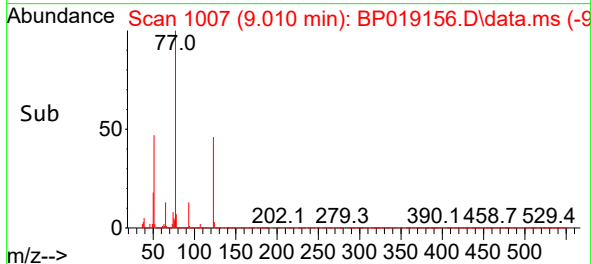
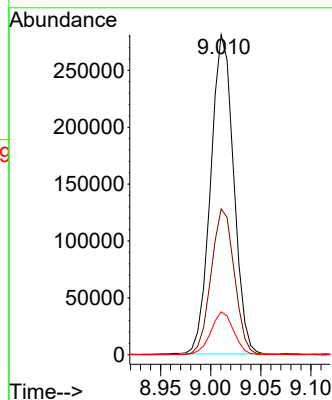
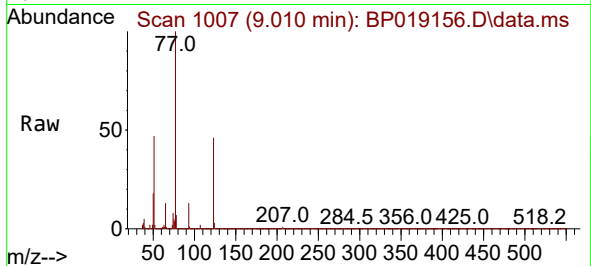




#22
Nitrobenzene
Concen: 32.378 ng/ul
RT: 9.010 min Scan# 1007
Delta R.T. -0.000 min
Lab File: BP019156.D
Acq: 29 Dec 2023 09:33

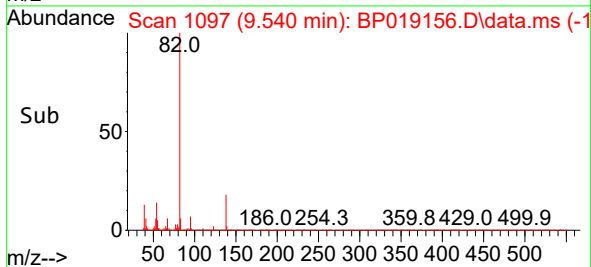
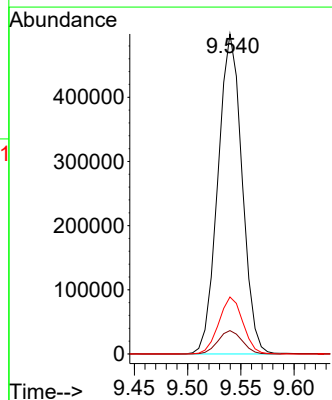
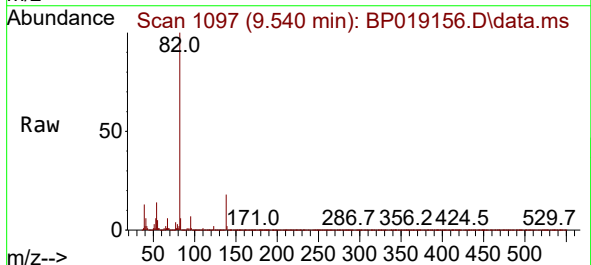
Instrument :
BNA_P
ClientSampleId :
SLCS091

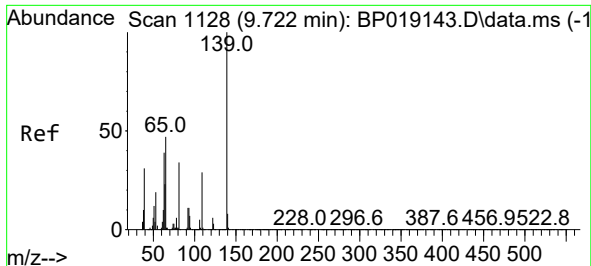
Tgt Ion: 77 Resp: 447133
Ion Ratio Lower Upper
77 100
123 45.5 35.5 53.3
65 13.4 10.3 15.5



#23
Isophorone
Concen: 31.517 ng/ul
RT: 9.540 min Scan# 1097
Delta R.T. -0.000 min
Lab File: BP019156.D
Acq: 29 Dec 2023 09:33

Tgt Ion: 82 Resp: 784849
Ion Ratio Lower Upper
82 100
95 7.3 5.9 8.9
138 17.8 14.7 22.1

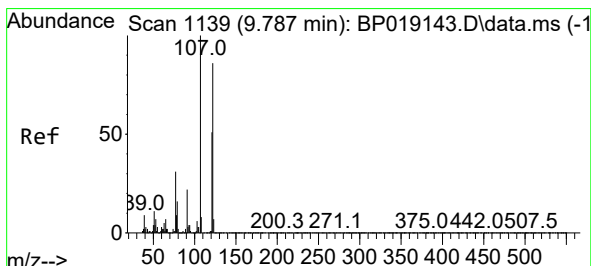
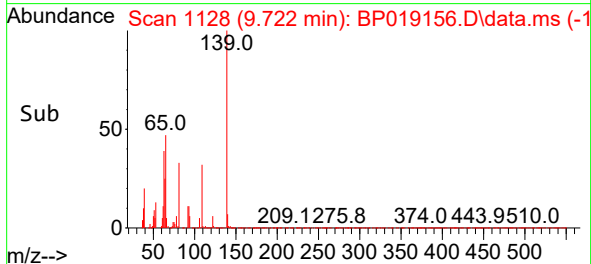
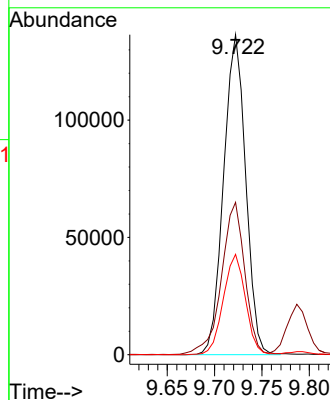
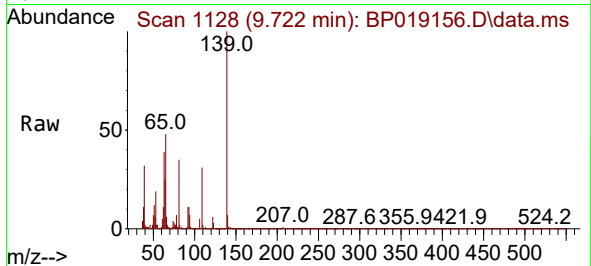




#25
2-Nitrophenol
Concen: 33.874 ng/ul
RT: 9.722 min Scan# 1128
Delta R.T. -0.000 min
Lab File: BP019156.D
Acq: 29 Dec 2023 09:33

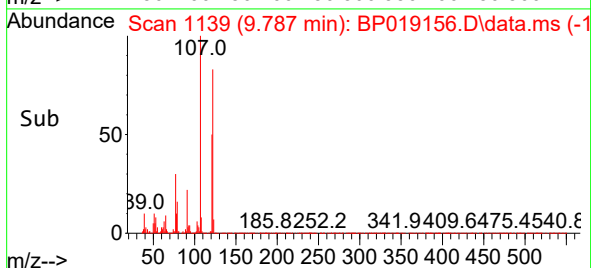
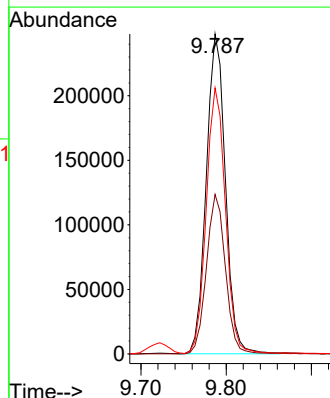
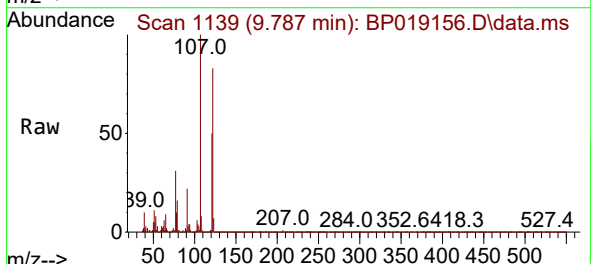
Instrument :
BNA_P
ClientSampleId :
SLCS091

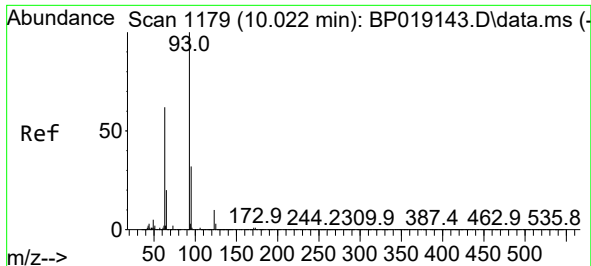
Tgt Ion:139 Resp: 220951
Ion Ratio Lower Upper
139 100
65 47.6 38.8 58.2
109 31.4 26.2 39.2



#26
2,4-Dimethylphenol
Concen: 33.619 ng/ul
RT: 9.787 min Scan# 1139
Delta R.T. -0.000 min
Lab File: BP019156.D
Acq: 29 Dec 2023 09:33

Tgt Ion:107 Resp: 386055
Ion Ratio Lower Upper
107 100
121 49.9 39.8 59.6
122 83.1 66.4 99.6

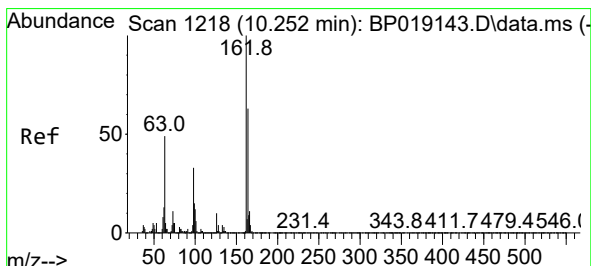
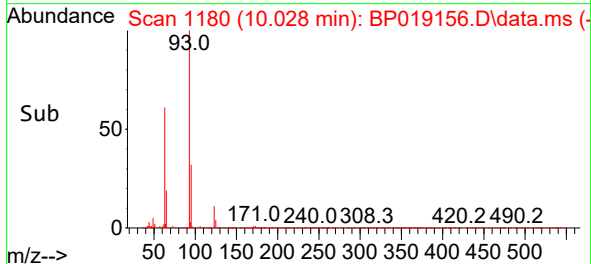
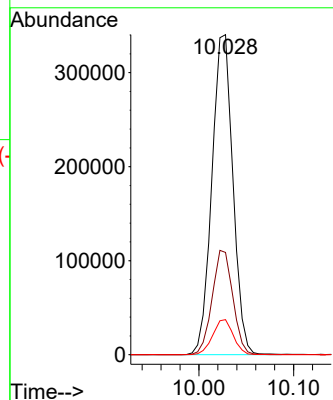
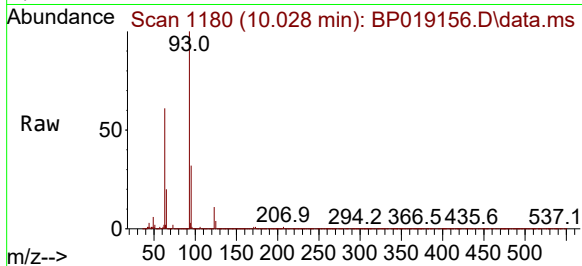




#27
Bis(2-Chloroethoxy)methane
Concen: 31.808 ng/ul
RT: 10.028 min Scan# 1179
Delta R.T. 0.006 min
Lab File: BP019156.D
Acq: 29 Dec 2023 09:33

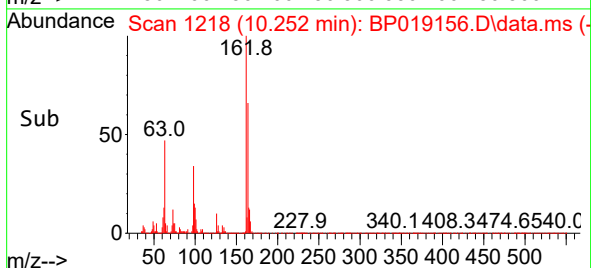
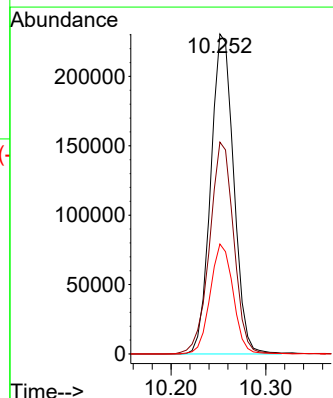
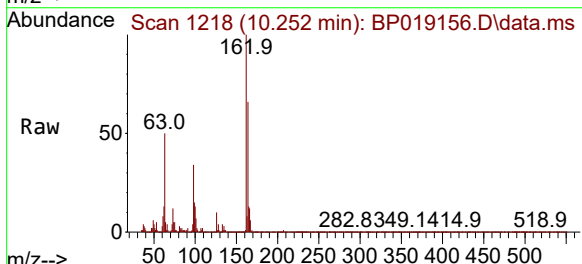
Instrument :
BNA_P
ClientSampleId :
SLCS091

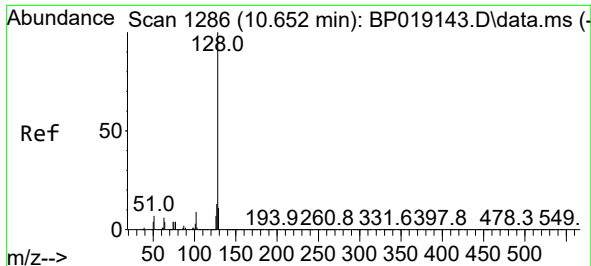
Tgt Ion: 93 Resp: 523535
Ion Ratio Lower Upper
93 100
95 32.0 26.7 40.1
123 11.0 8.5 12.7



#29
2,4-Dichlorophenol
Concen: 32.210 ng/ul
RT: 10.252 min Scan# 1218
Delta R.T. -0.000 min
Lab File: BP019156.D
Acq: 29 Dec 2023 09:33

Tgt Ion:162 Resp: 388283
Ion Ratio Lower Upper
162 100
164 66.2 52.6 78.8
98 34.3 26.7 40.1

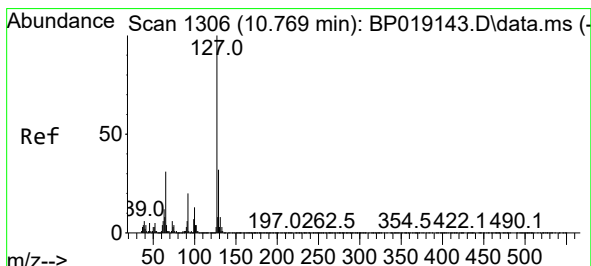
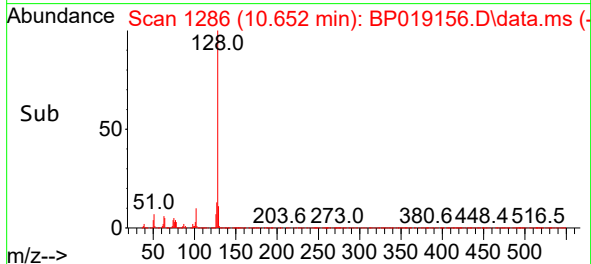
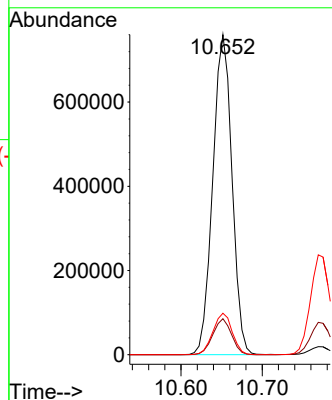
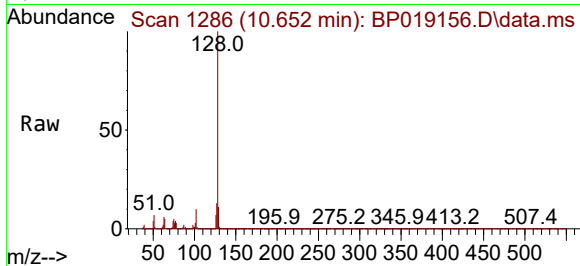




#30
Naphthalene
Concen: 31.644 ng/ul
RT: 10.652 min Scan# 1286
Delta R.T. -0.000 min
Lab File: BP019156.D
Acq: 29 Dec 2023 09:33

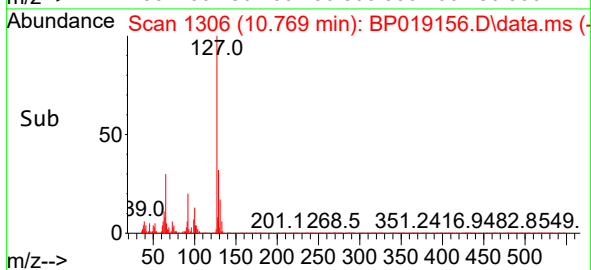
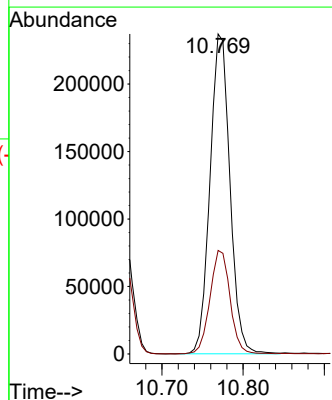
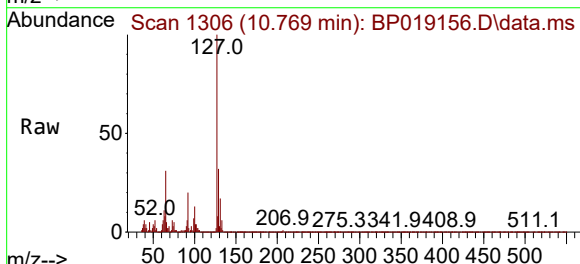
Instrument :
BNA_P
ClientSampleId :
SLCS091

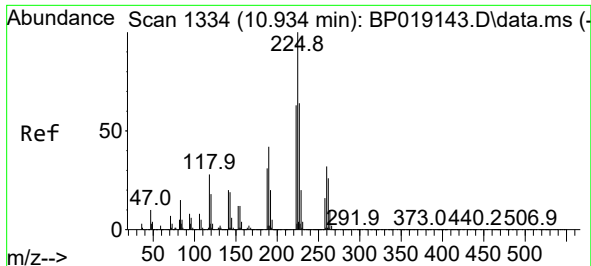
Tgt Ion:128 Resp: 1247578
Ion Ratio Lower Upper
128 100
129 11.3 8.6 13.0
127 12.9 10.6 15.8



#32
4-Chloroaniline
Concen: 27.706 ng/ul
RT: 10.769 min Scan# 1306
Delta R.T. -0.000 min
Lab File: BP019156.D
Acq: 29 Dec 2023 09:33

Tgt Ion:127 Resp: 403390
Ion Ratio Lower Upper
127 100
129 32.4 25.6 38.4

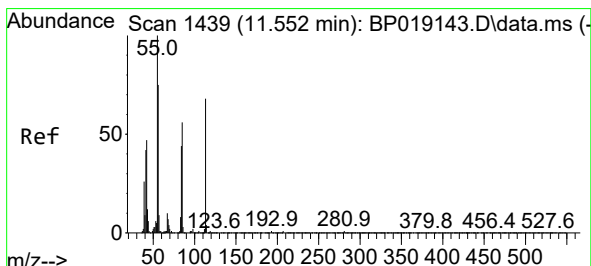
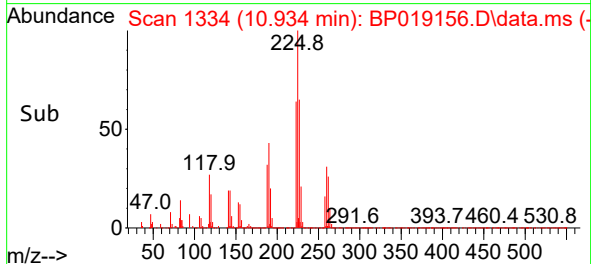
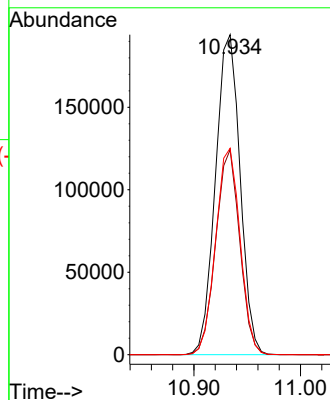
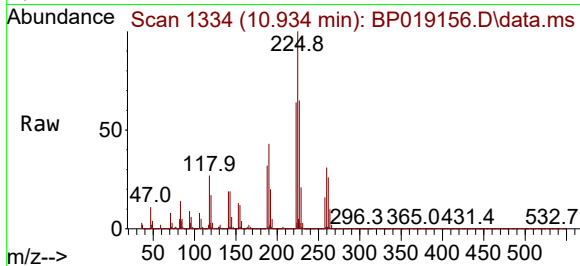




#33
Hexachlorobutadiene
Concen: 33.598 ng/ul
RT: 10.934 min Scan# 11
Delta R.T. -0.000 min
Lab File: BP019156.D
Acq: 29 Dec 2023 09:33

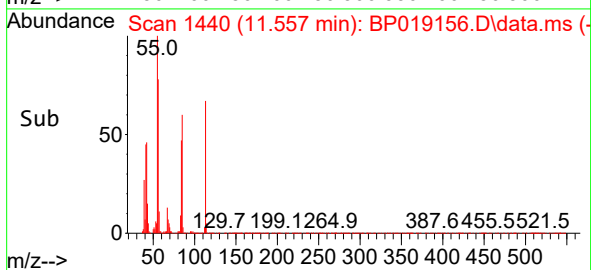
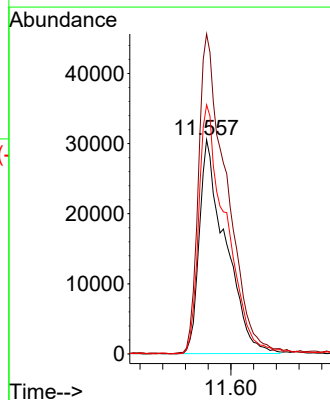
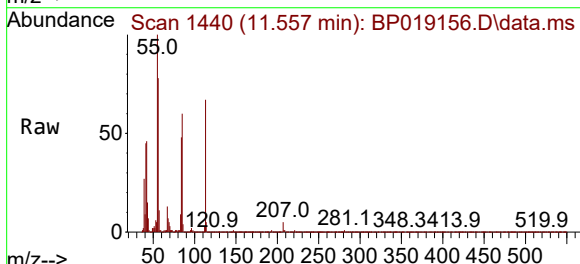
Instrument :
BNA_P
ClientSampleId :
SLCS091

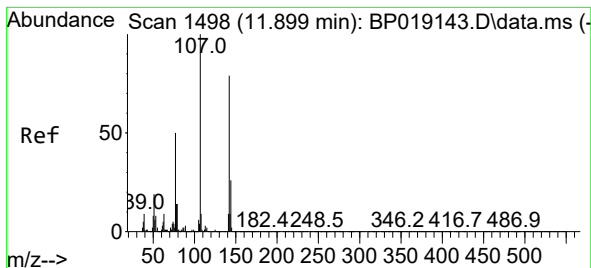
Tgt Ion:225 Resp: 311700
Ion Ratio Lower Upper
225 100
223 64.0 50.5 75.7
227 64.5 53.0 79.4



#34
Caprolactam
Concen: 30.608 ng/ul
RT: 11.557 min Scan# 1440
Delta R.T. 0.006 min
Lab File: BP019156.D
Acq: 29 Dec 2023 09:33

Tgt Ion:113 Resp: 97459
Ion Ratio Lower Upper
113 100
55 149.4 122.6 184.0
56 116.3 93.0 139.4

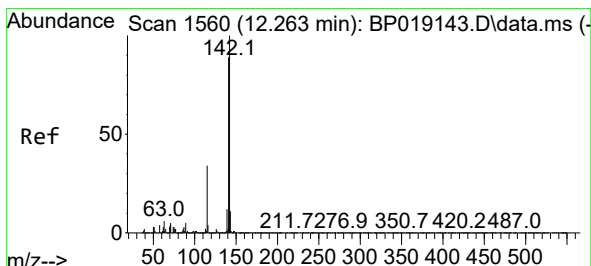
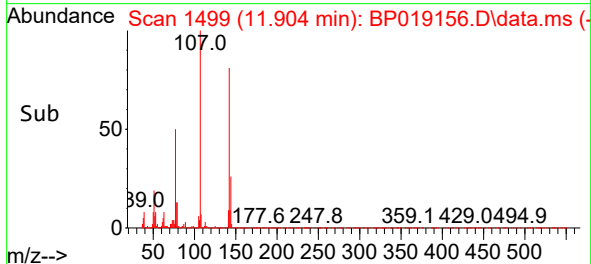
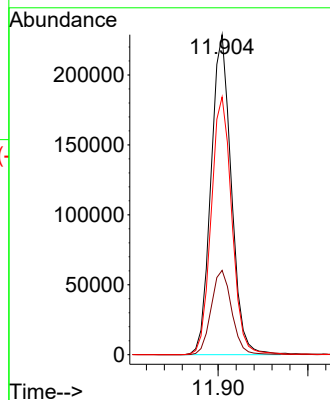
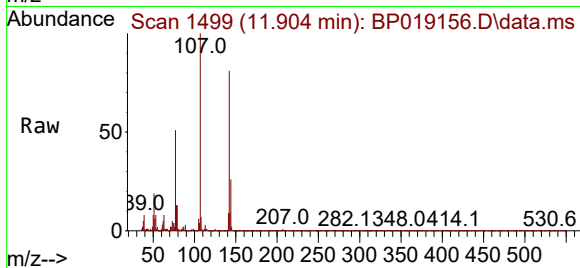




#35
4-Chloro-3-methylphenol
Concen: 30.367 ng/ul
RT: 11.904 min Scan# 1498
Delta R.T. 0.006 min
Lab File: BP019156.D
Acq: 29 Dec 2023 09:33

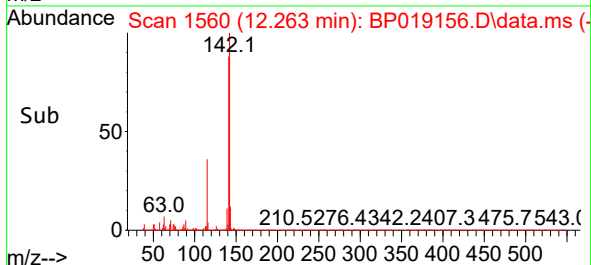
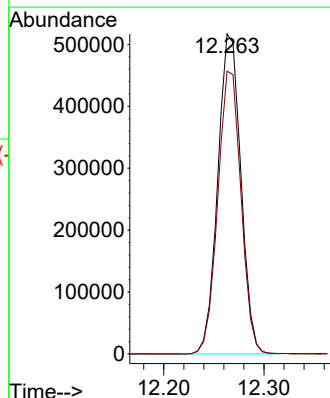
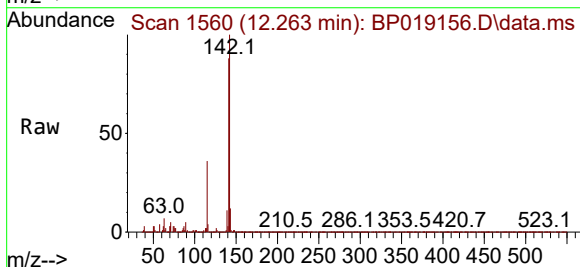
Instrument :
BNA_P
ClientSampleId :
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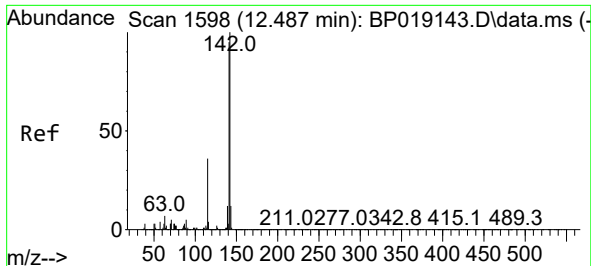
Tgt Ion:107 Resp: 359346
Ion Ratio Lower Upper
107 100
144 26.4 21.0 31.6
142 80.5 64.8 97.2



#36
2-Methylnaphthalene
Concen: 31.055 ng/ul
RT: 12.263 min Scan# 1560
Delta R.T. -0.000 min
Lab File: BP019156.D
Acq: 29 Dec 2023 09:33

Tgt Ion:142 Resp: 825464
Ion Ratio Lower Upper
142 100
141 88.4 71.7 107.5





#37

1-Methylnaphthalene

Concen: 29.714 ng/ul

RT: 12.487 min Scan# 1598

Delta R.T. -0.000 min

Lab File: BP019156.D

Acq: 29 Dec 2023 09:33

Instrument :

BNA_P

ClientSampleId :

SLCS091

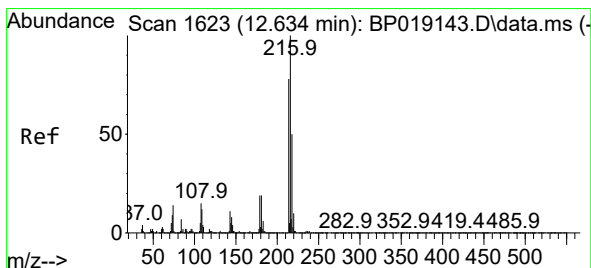
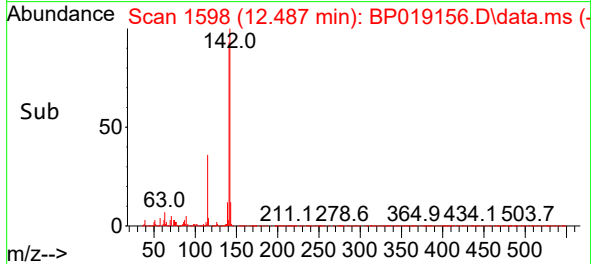
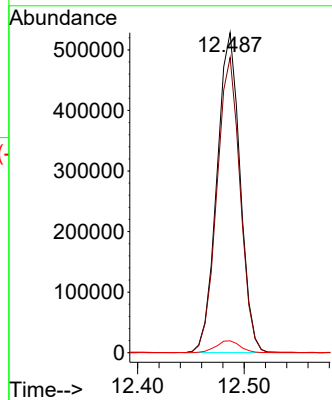
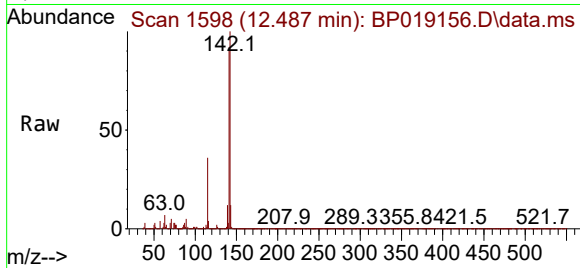
Tgt Ion:142 Resp: 796474

Ion Ratio Lower Upper

142 100

141 92.2 74.4 111.6

116 3.7 3.0 4.4



#39

1,2,4,5-Tetrachlorobenzene

Concen: 33.156 ng/ul

RT: 12.634 min Scan# 1623

Delta R.T. -0.000 min

Lab File: BP019156.D

Acq: 29 Dec 2023 09:33

Tgt Ion:216 Resp: 509915

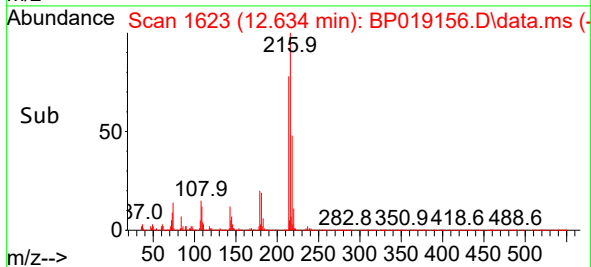
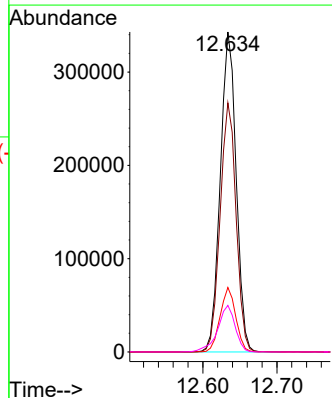
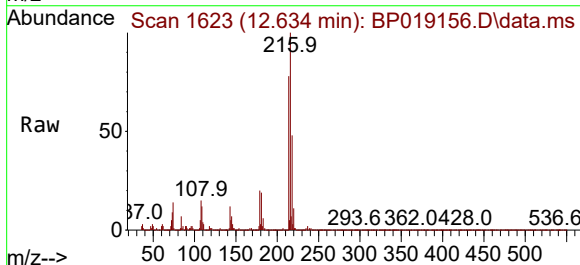
Ion Ratio Lower Upper

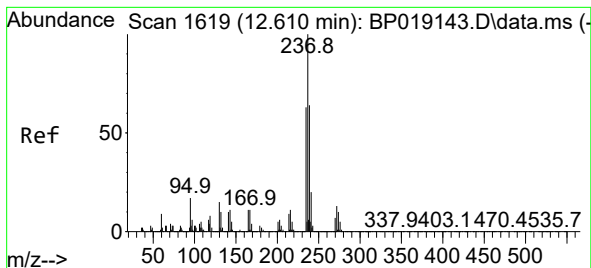
216 100

214 77.9 62.6 94.0

179 20.1 15.8 23.8

108 14.5 11.9 17.9





#40

Hexachlorocyclopentadiene

Concen: 35.003 ng/ul

RT: 12.610 min Scan# 1619

Delta R.T. -0.000 min

Lab File: BP019156.D

Acq: 29 Dec 2023 09:33

Instrument :

BNA_P

ClientSampleId :

SLCS091

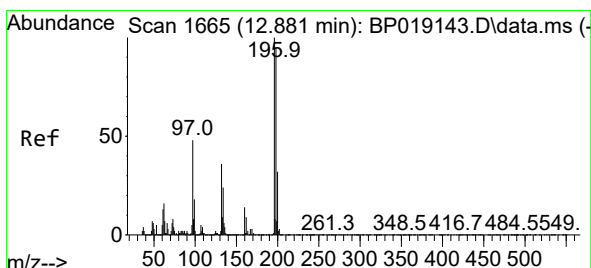
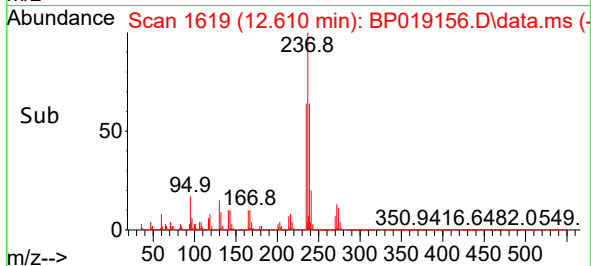
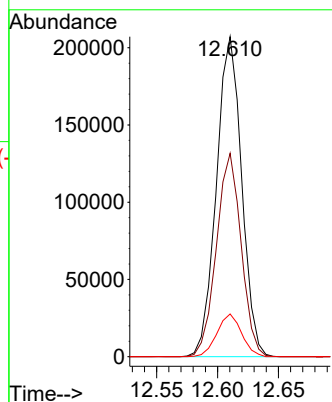
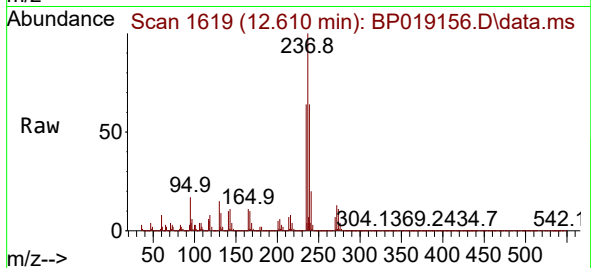
Tgt Ion:237 Resp: 298805

Ion Ratio Lower Upper

237 100

235 63.6 51.2 76.8

272 13.3 10.9 16.3



#41

2,4,6-Trichlorophenol

Concen: 32.976 ng/ul

RT: 12.881 min Scan# 1665

Delta R.T. -0.000 min

Lab File: BP019156.D

Acq: 29 Dec 2023 09:33

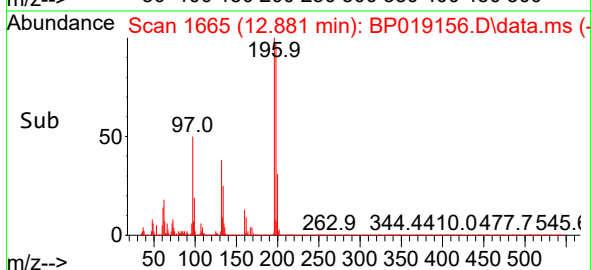
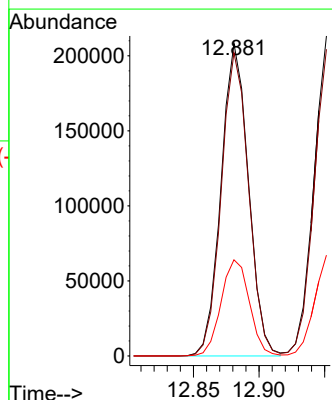
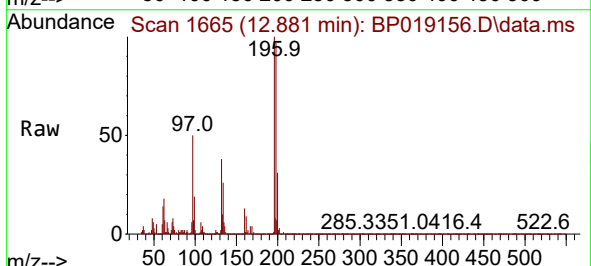
Tgt Ion:196 Resp: 302663

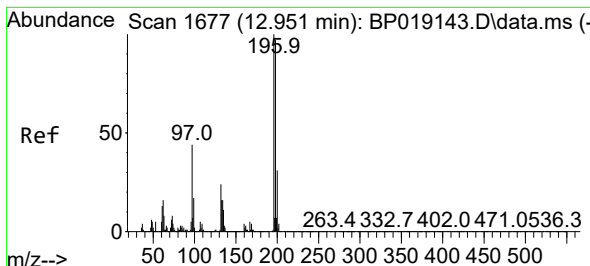
Ion Ratio Lower Upper

196 100

198 97.0 77.4 116.0

200 30.8 24.6 36.8





#42

2,4,5-Trichlorophenol

Concen: 33.538 ng/ul

RT: 12.951 min Scan# 1677

Delta R.T. -0.000 min

Lab File: BP019156.D

Acq: 29 Dec 2023 09:33

Instrument :

BNA_P

ClientSampleId :

SLCS091

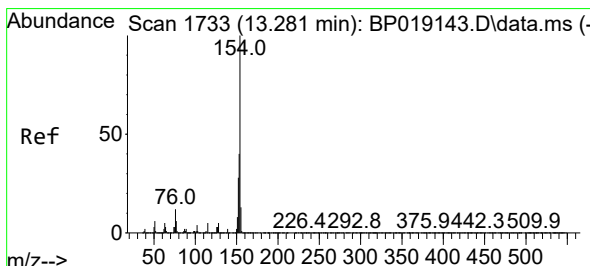
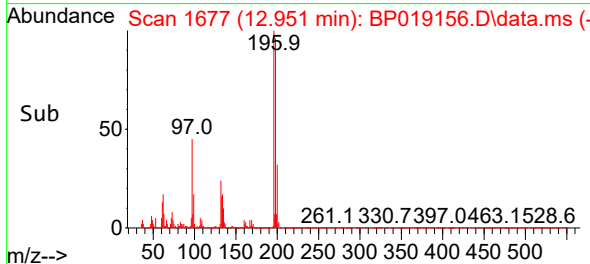
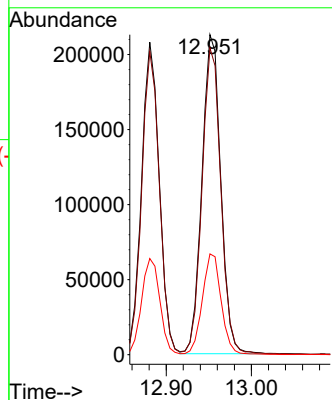
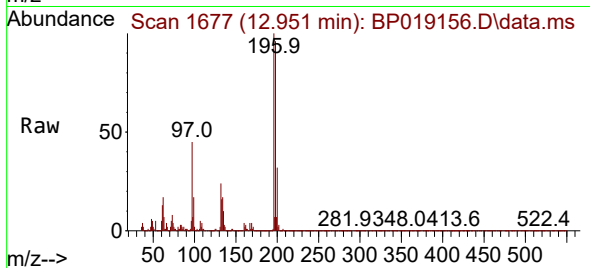
Tgt Ion:196 Resp: 326751

Ion Ratio Lower Upper

196 100

198 95.9 77.3 115.9

200 31.5 25.7 38.5



#43

1,1'-Biphenyl

Concen: 32.302 ng/ul

RT: 13.281 min Scan# 1733

Delta R.T. -0.000 min

Lab File: BP019156.D

Acq: 29 Dec 2023 09:33

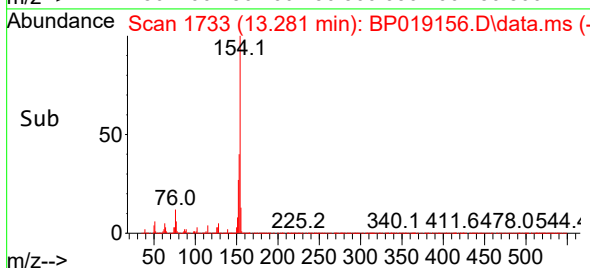
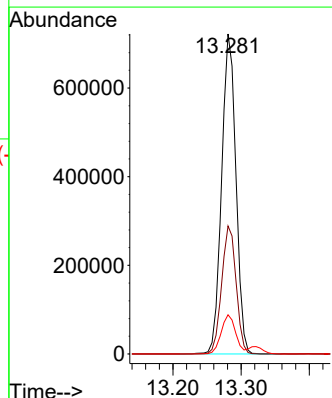
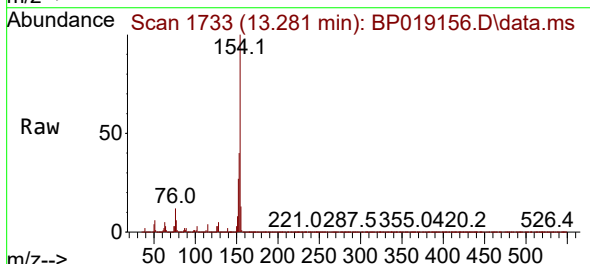
Tgt Ion:154 Resp: 1052217

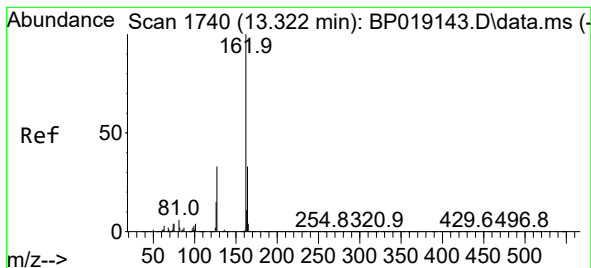
Ion Ratio Lower Upper

154 100

153 40.0 31.9 47.9

76 12.3 9.5 14.3





#44

2-Chloronaphthalene

Concen: 32.371 ng/ul

RT: 13.322 min Scan# 1740

Delta R.T. -0.000 min

Lab File: BP019156.D

Acq: 29 Dec 2023 09:33

Instrument :

BNA_P

ClientSampleId :

SLCS091

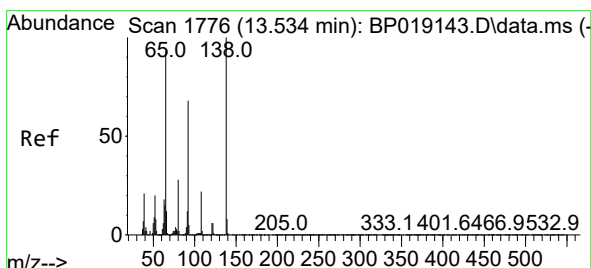
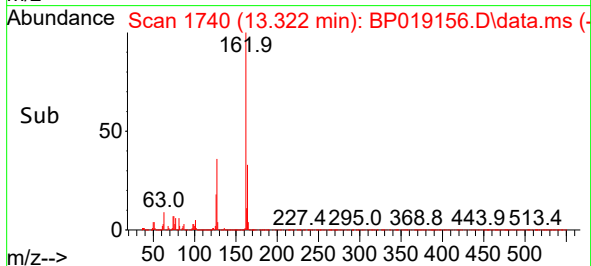
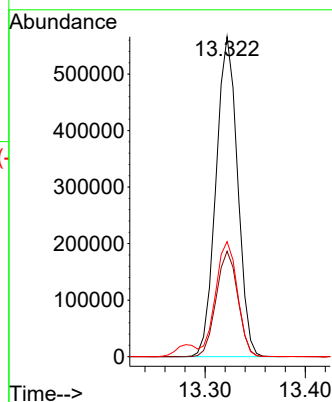
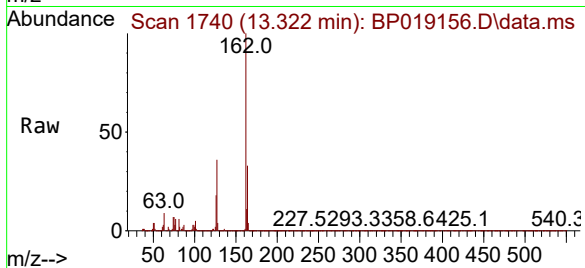
Tgt Ion:162 Resp: 846115

Ion Ratio Lower Upper

162 100

164 33.0 26.2 39.4

127 36.0 28.8 43.2



#45

2-Nitroaniline

Concen: 33.174 ng/ul

RT: 13.534 min Scan# 1776

Delta R.T. -0.000 min

Lab File: BP019156.D

Acq: 29 Dec 2023 09:33

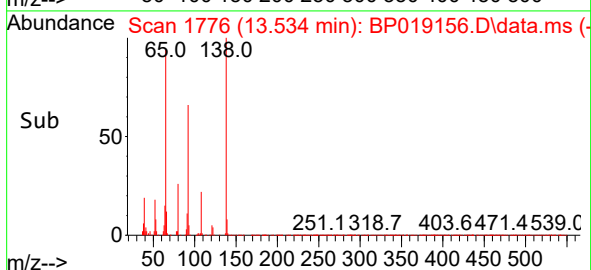
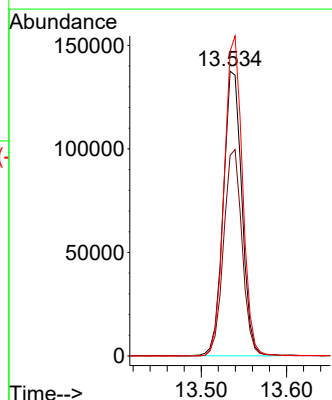
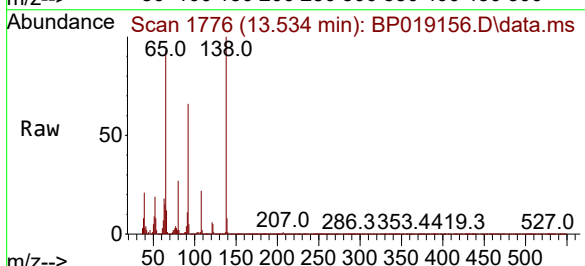
Tgt Ion: 65 Resp: 208161

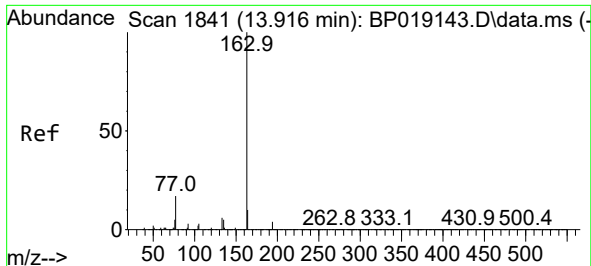
Ion Ratio Lower Upper

65 100

92 70.5 60.2 90.4

138 107.0 92.9 139.3

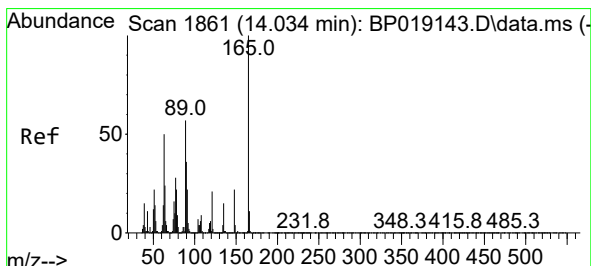
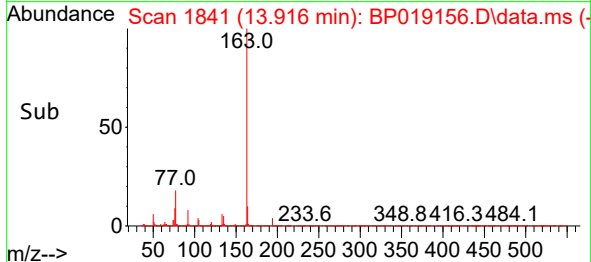
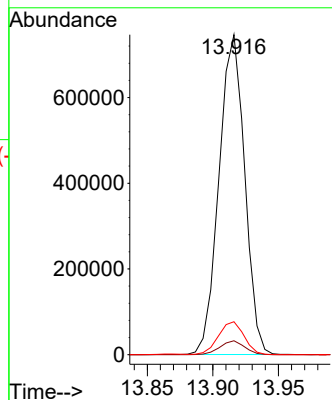
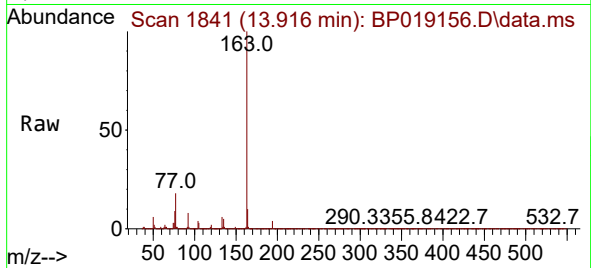




#47
Dimethylphthalate
Concen: 31.228 ng/ul
RT: 13.916 min Scan# 1841
Delta R.T. -0.000 min
Lab File: BP019156.D
Acq: 29 Dec 2023 09:33

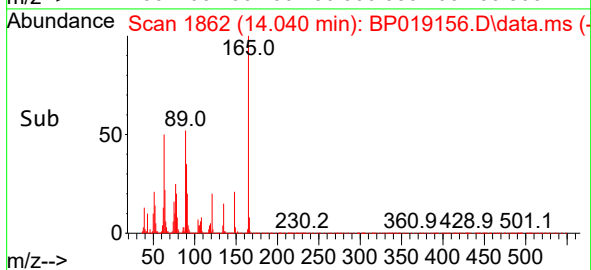
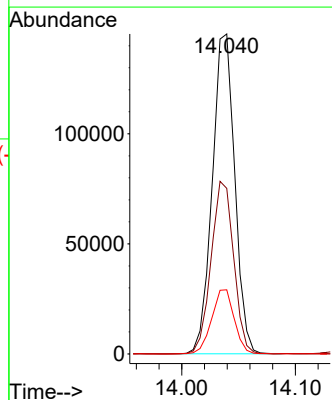
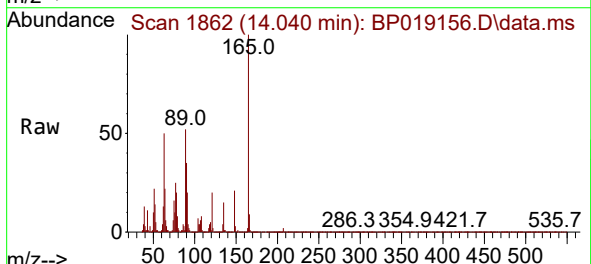
Instrument :
BNA_P
ClientSampleId :
SLCS091

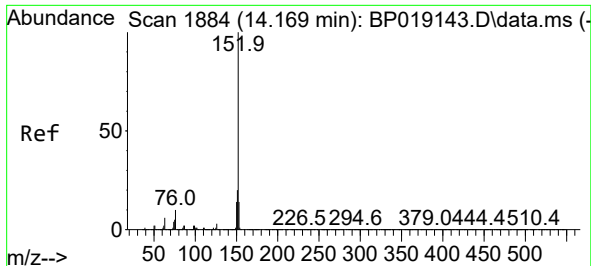
Tgt Ion:163 Resp: 1016715
Ion Ratio Lower Upper
163 100
194 4.4 3.4 5.2
164 10.3 8.1 12.1



#48
2,6-Dinitrotoluene
Concen: 33.435 ng/ul
RT: 14.040 min Scan# 1862
Delta R.T. 0.006 min
Lab File: BP019156.D
Acq: 29 Dec 2023 09:33

Tgt Ion:165 Resp: 200031
Ion Ratio Lower Upper
165 100
89 51.8 45.1 67.7
121 20.0 16.7 25.1

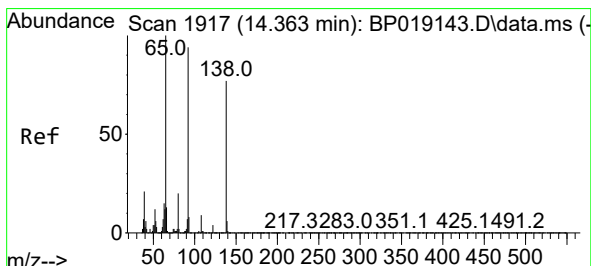
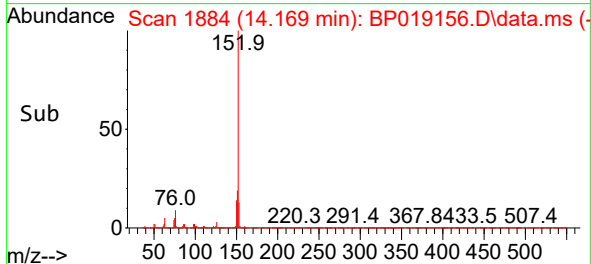
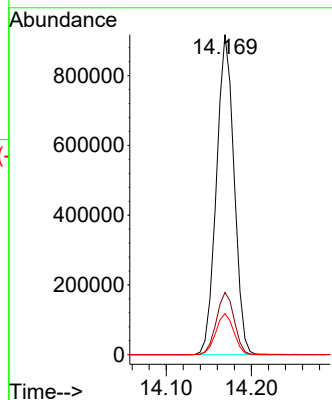
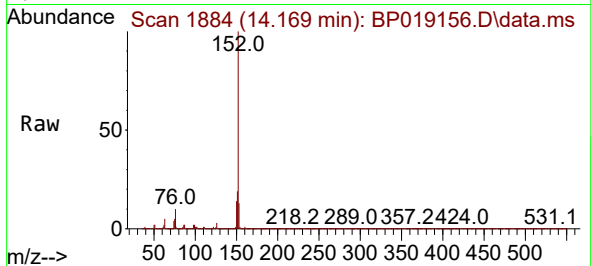




#50
Acenaphthylene
Concen: 32.847 ng/ul
RT: 14.169 min Scan# 1884
Delta R.T. -0.000 min
Lab File: BP019156.D
Acq: 29 Dec 2023 09:33

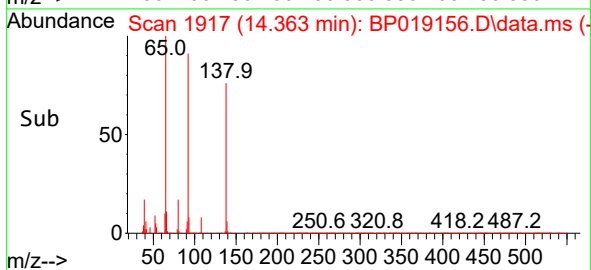
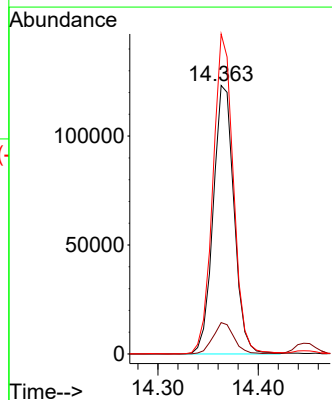
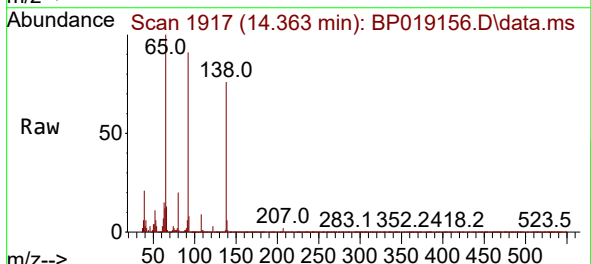
Instrument :
BNA_P
ClientSampleId :
SLCS091

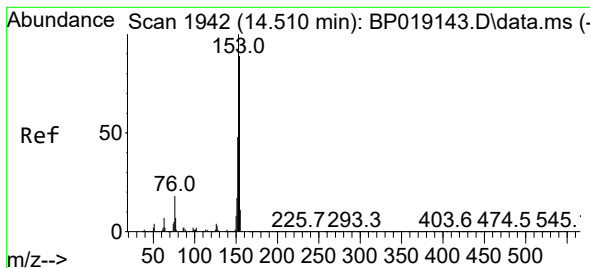
Tgt Ion:152 Resp: 1322632
Ion Ratio Lower Upper
152 100
151 19.4 15.9 23.9
153 12.9 10.6 15.8



#51
3-Nitroaniline
Concen: 30.388 ng/ul
RT: 14.363 min Scan# 1917
Delta R.T. -0.000 min
Lab File: BP019156.D
Acq: 29 Dec 2023 09:33

Tgt Ion:138 Resp: 177736
Ion Ratio Lower Upper
138 100
108 11.7 9.8 14.6
92 119.2 91.9 137.9





#52

Acenaphthene

Concen: 31.772 ng/ul

RT: 14.510 min Scan# 1942

Delta R.T. -0.000 min

Lab File: BP019156.D

Acq: 29 Dec 2023 09:33

Instrument :

BNA_P

ClientSampleId :

SLCS091

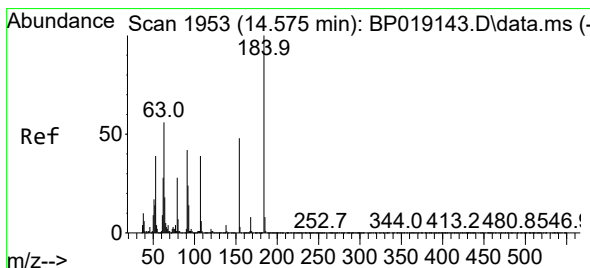
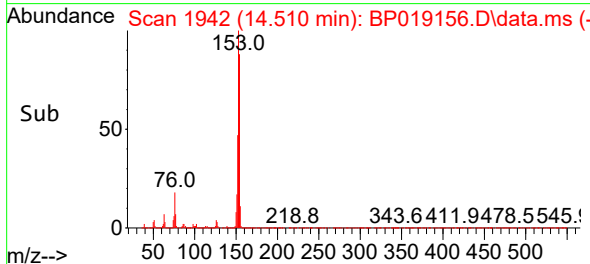
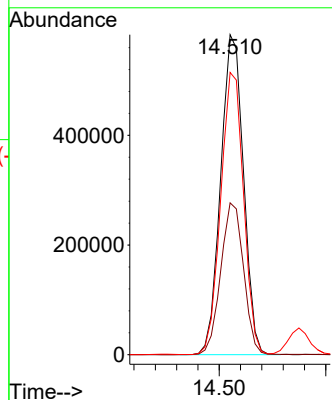
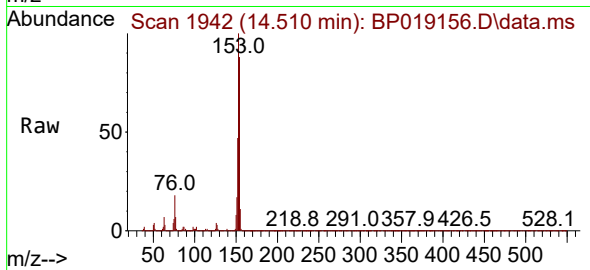
Tgt Ion:153 Resp: 867083

Ion Ratio Lower Upper

153 100

152 47.5 38.1 57.1

154 88.2 70.1 105.1



#53

2,4-Dinitrophenol

Concen: 29.234 ng/ul

RT: 14.575 min Scan# 1953

Delta R.T. -0.000 min

Lab File: BP019156.D

Acq: 29 Dec 2023 09:33

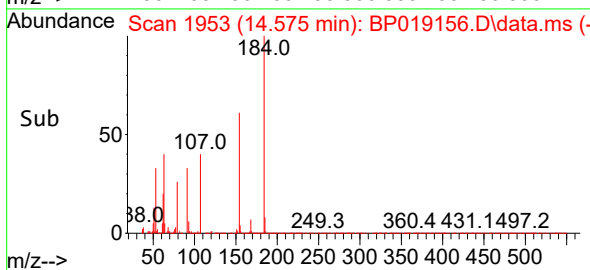
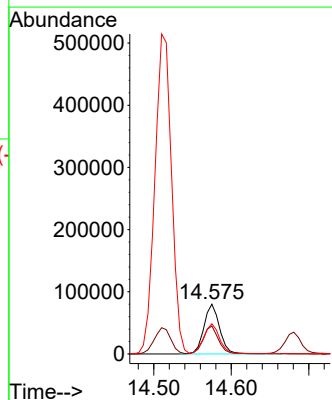
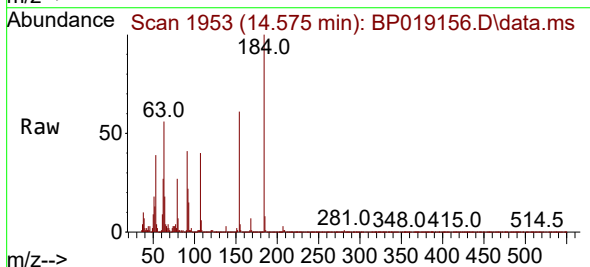
Tgt Ion:184 Resp: 112679

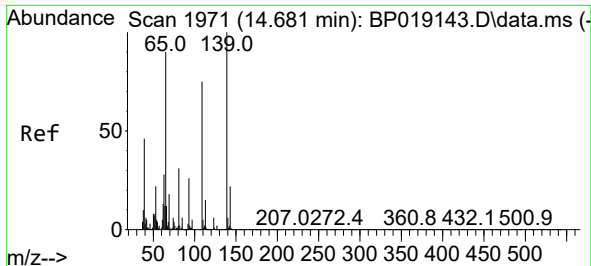
Ion Ratio Lower Upper

184 100

63 56.4 48.5 72.7

154 60.8 49.3 73.9

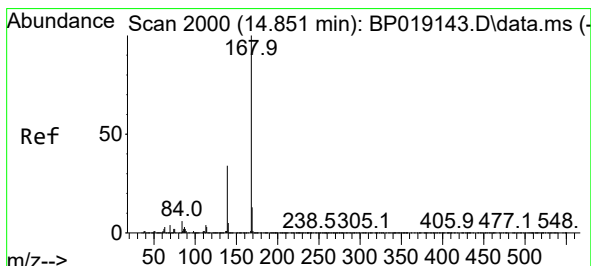
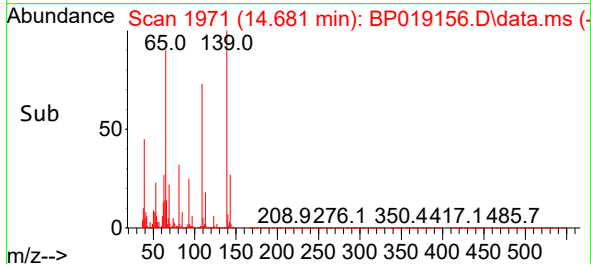
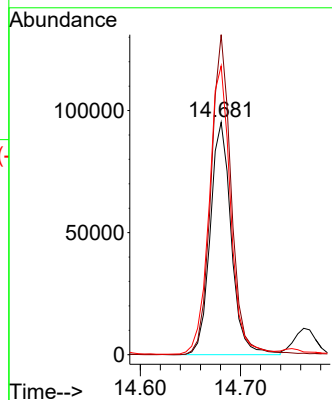
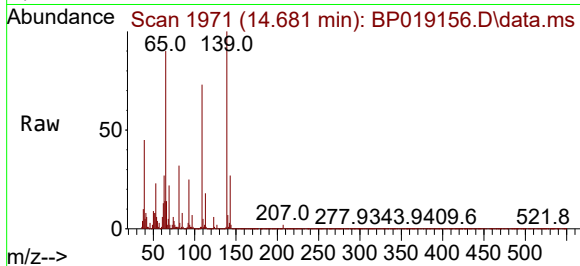




#55
4-Nitrophenol
Concen: 31.076 ng/ul
RT: 14.681 min Scan# 1971
Delta R.T. -0.000 min
Lab File: BP019156.D
Acq: 29 Dec 2023 09:33

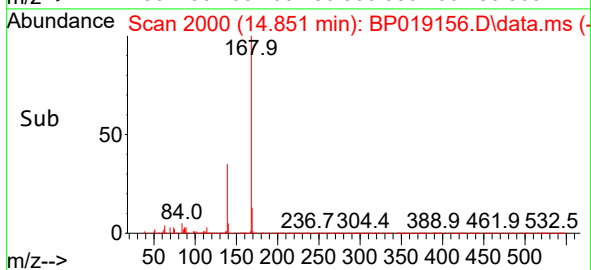
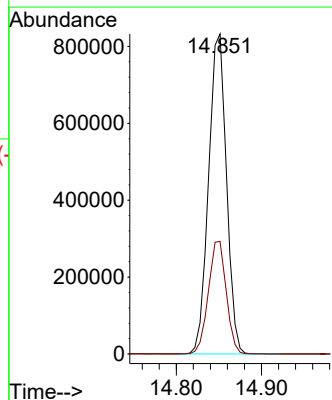
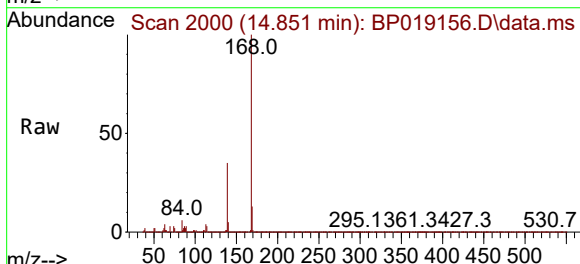
Instrument :
BNA_P
ClientSampleId :
SLCS091

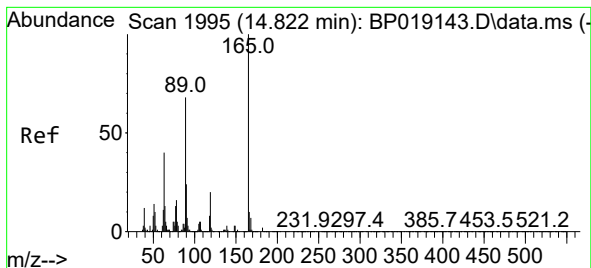
Tgt Ion:109 Resp: 138324
Ion Ratio Lower Upper
109 100
139 137.7 102.6 154.0
65 124.3 92.9 139.3



#56
Dibenzofuran
Concen: 31.184 ng/ul
RT: 14.851 min Scan# 2000
Delta R.T. -0.000 min
Lab File: BP019156.D
Acq: 29 Dec 2023 09:33

Tgt Ion:168 Resp: 1215314
Ion Ratio Lower Upper
168 100
139 35.2 27.4 41.0

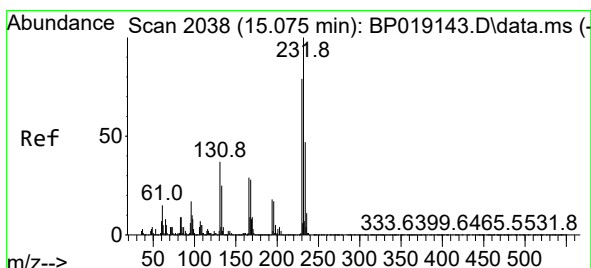
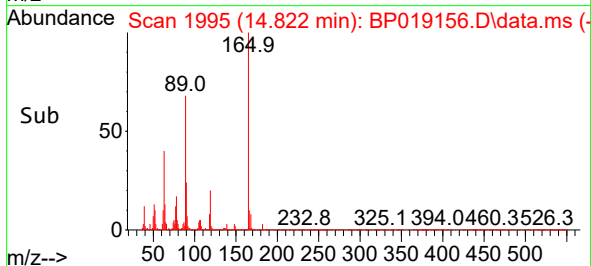
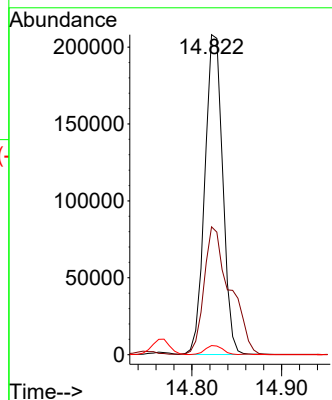
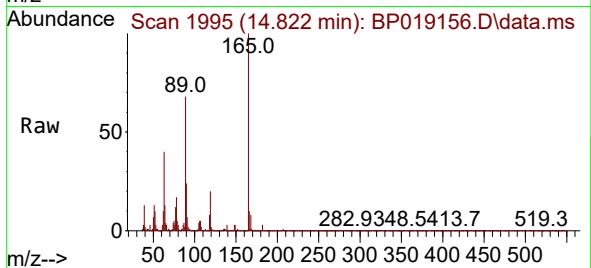




#57
2,4-Dinitrotoluene
Concen: 32.730 ng/ul
RT: 14.822 min Scan# 1995
Delta R.T. -0.000 min
Lab File: BP019156.D
Acq: 29 Dec 2023 09:33

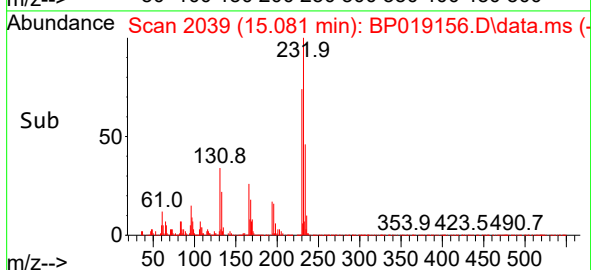
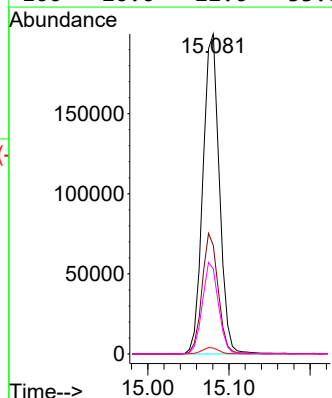
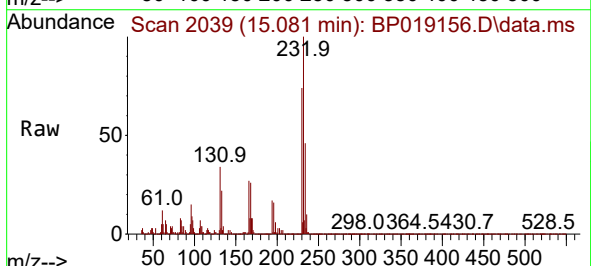
Instrument :
BNA_P
ClientSampleId :
SLCS091

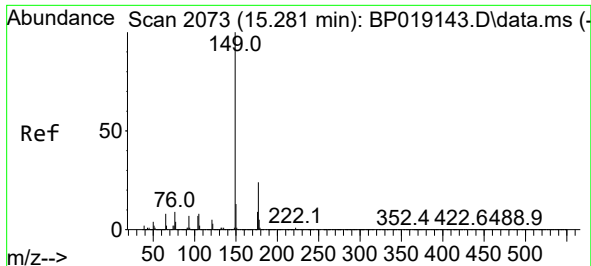
Tgt Ion:165 Resp: 287982
Ion Ratio Lower Upper
165 100
63 39.9 31.5 47.3
182 2.9 2.2 3.4



#58
2,3,4,6-Tetrachlorophenol
Concen: 33.012 ng/ul
RT: 15.081 min Scan# 2039
Delta R.T. 0.006 min
Lab File: BP019156.D
Acq: 29 Dec 2023 09:33

Tgt Ion:232 Resp: 281007
Ion Ratio Lower Upper
232 100
131 33.9 29.3 43.9
130 1.8 1.4 2.2
166 26.6 22.6 33.8

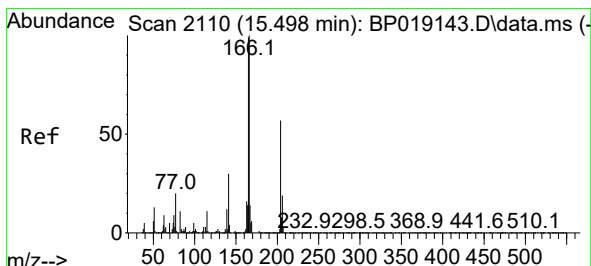
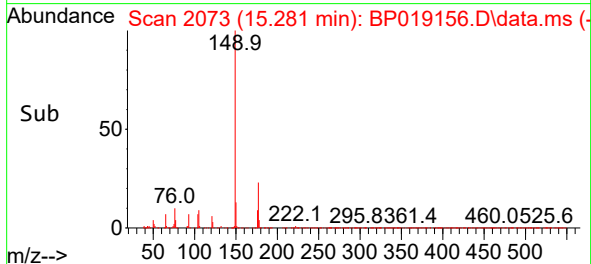
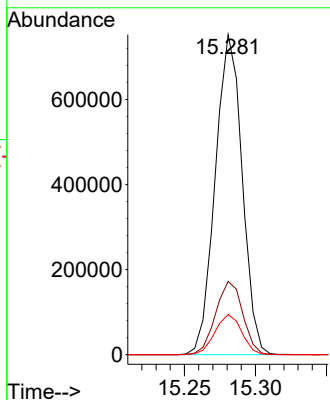
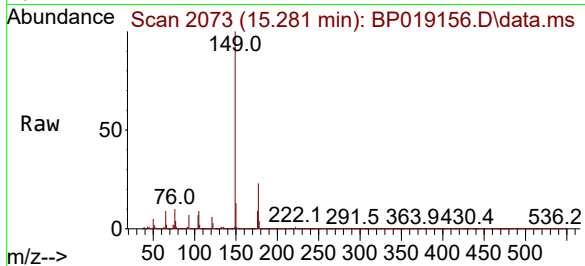




#59
Diethylphthalate
Concen: 31.338 ng/ul
RT: 15.281 min Scan# 2073
Delta R.T. -0.000 min
Lab File: BP019156.D
Acq: 29 Dec 2023 09:33

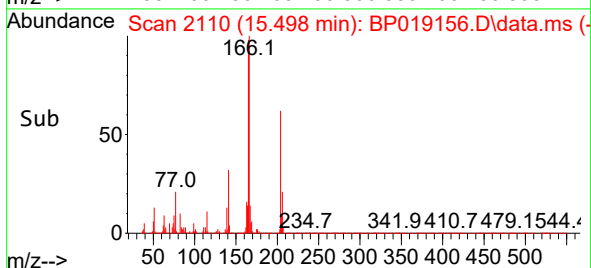
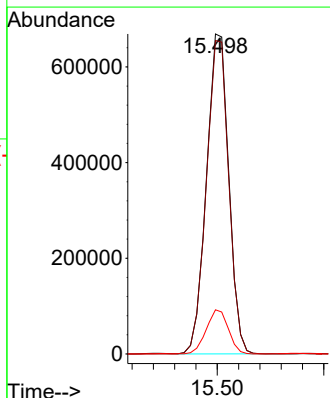
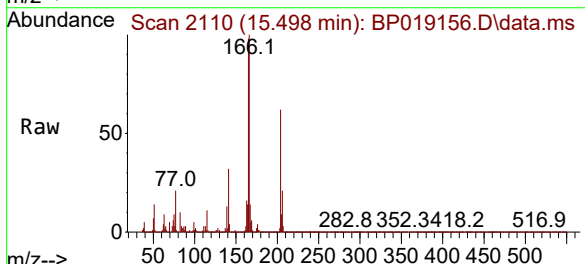
Instrument :
BNA_P
ClientSampleId :
SLCS091

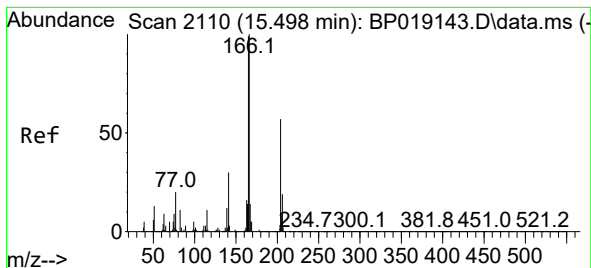
Tgt Ion:149 Resp: 989276
Ion Ratio Lower Upper
149 100
177 22.9 18.7 28.1
150 12.6 9.8 14.8



#61
Fluorene
Concen: 31.167 ng/ul
RT: 15.498 min Scan# 2110
Delta R.T. -0.000 min
Lab File: BP019156.D
Acq: 29 Dec 2023 09:33

Tgt Ion:166 Resp: 972203
Ion Ratio Lower Upper
166 100
165 98.0 79.3 118.9
167 13.8 11.0 16.4

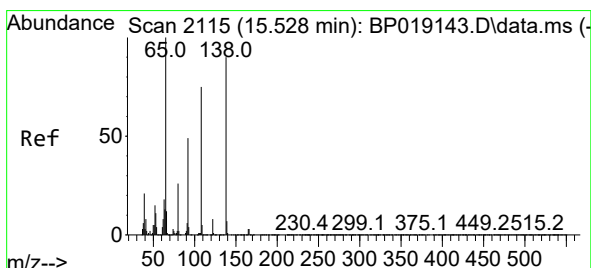
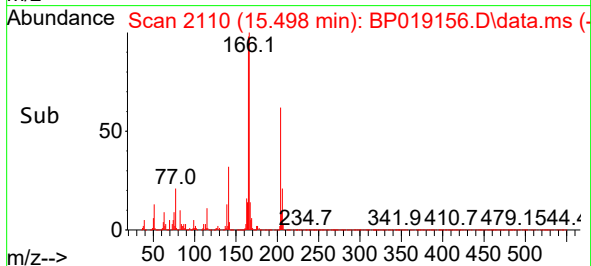
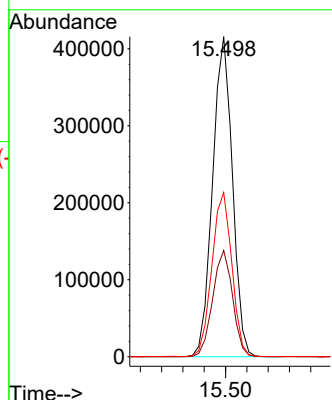
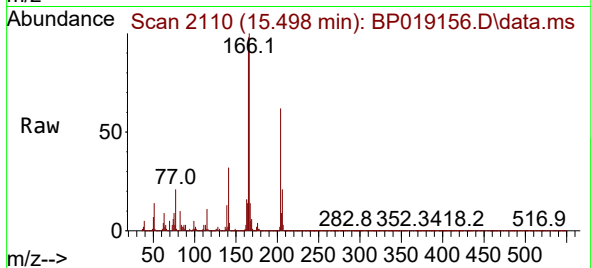




#62
4-Chlorophenyl-phenylether
Concen: 31.412 ng/ul
RT: 15.498 min Scan# 2110
Delta R.T. -0.000 min
Lab File: BP019156.D
Acq: 29 Dec 2023 09:33

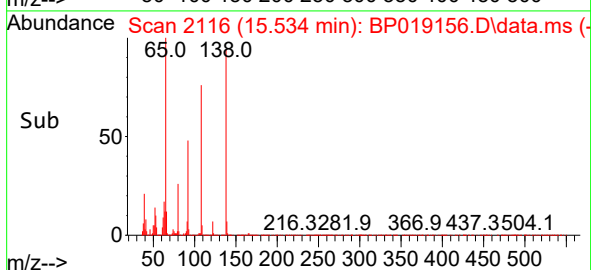
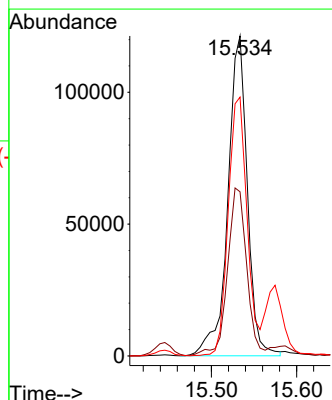
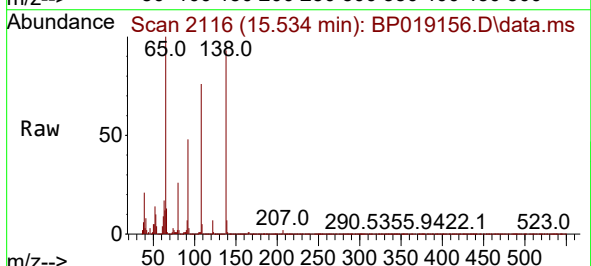
Instrument :
BNA_P
ClientSampleId :
SLCS091

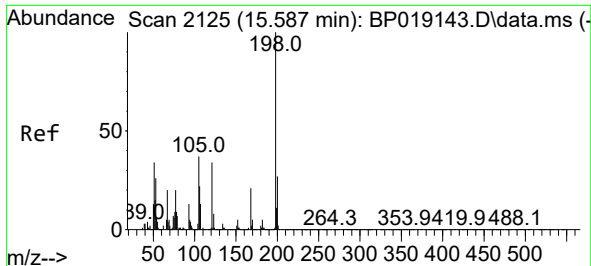
Tgt Ion:204 Resp: 535101
Ion Ratio Lower Upper
204 100
206 33.2 26.3 39.5
141 51.3 42.2 63.2



#63
4-Nitroaniline
Concen: 32.899 ng/ul
RT: 15.534 min Scan# 2116
Delta R.T. 0.006 min
Lab File: BP019156.D
Acq: 29 Dec 2023 09:33

Tgt Ion:138 Resp: 193597
Ion Ratio Lower Upper
138 100
92 51.3 42.2 63.4
108 80.9 66.2 99.4

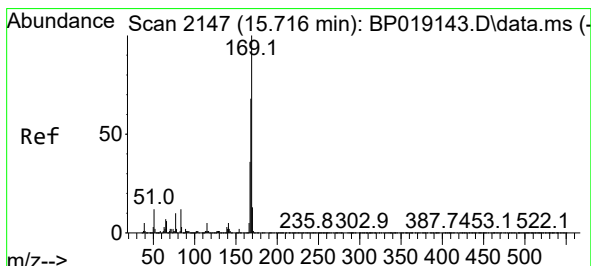
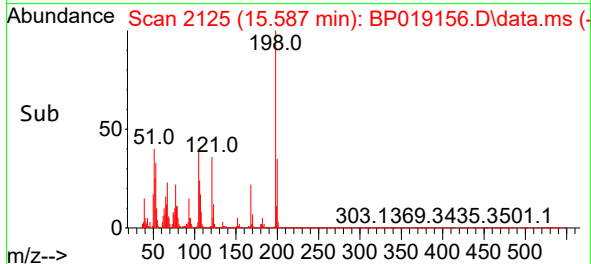
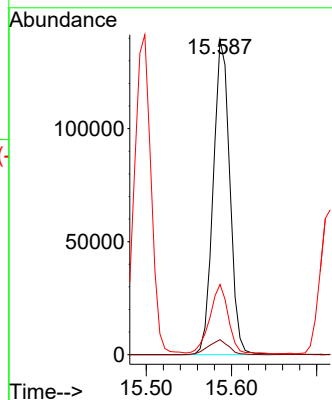
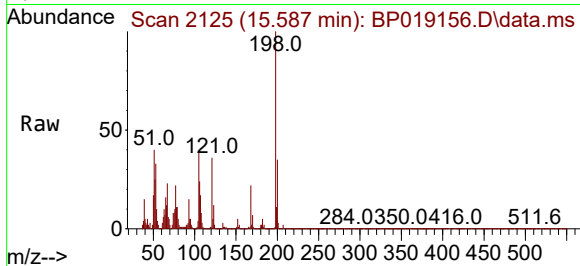




#66
 4,6-Dinitro-2-methylphenol
 Concen: 33.628 ng/ul
 RT: 15.587 min Scan# 2125
 Delta R.T. -0.000 min
 Lab File: BP019156.D
 Acq: 29 Dec 2023 09:33

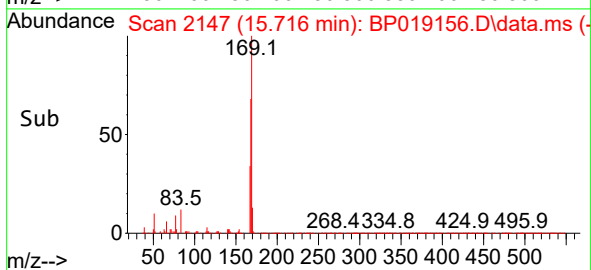
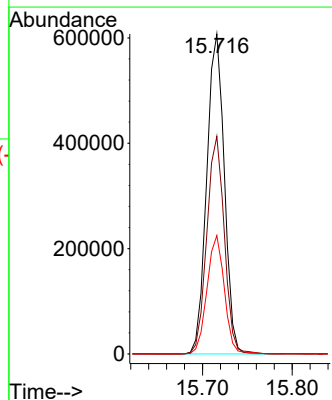
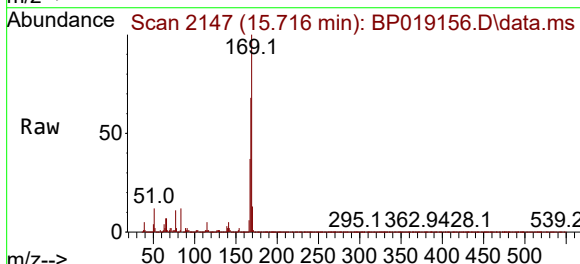
Instrument :
 BNA_P
 ClientSampleId :
 SLCS091

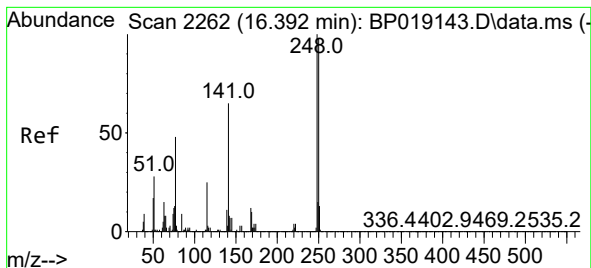
Tgt Ion:198 Resp: 188182
 Ion Ratio Lower Upper
 198 100
 182 4.8 4.0 6.0
 77 22.3 17.4 26.2



#67
 N-Nitrosodiphenylamine
 Concen: 33.569 ng/ul
 RT: 15.716 min Scan# 2147
 Delta R.T. -0.000 min
 Lab File: BP019156.D
 Acq: 29 Dec 2023 09:33

Tgt Ion:169 Resp: 825983
 Ion Ratio Lower Upper
 169 100
 168 68.0 53.8 80.8
 167 37.0 29.5 44.3

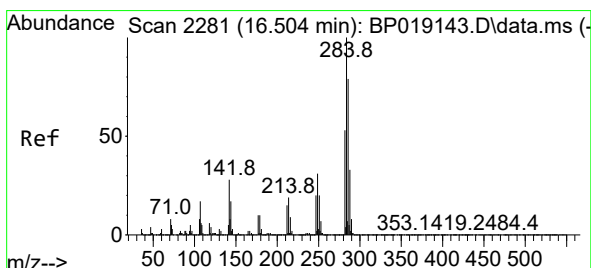
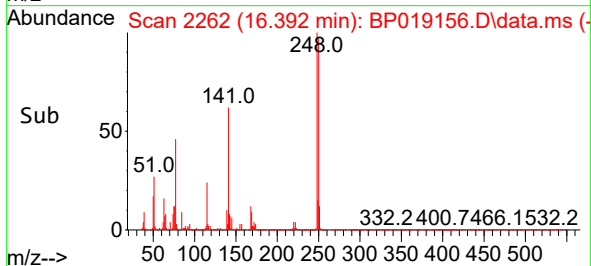
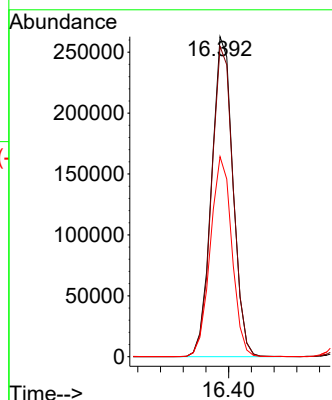
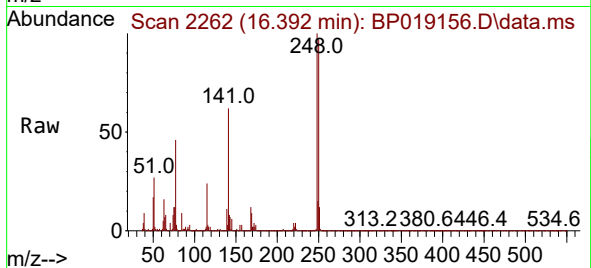




#68
4-Bromophenyl-phenylether
Concen: 34.314 ng/ul
RT: 16.392 min Scan# 2262
Delta R.T. -0.000 min
Lab File: BP019156.D
Acq: 29 Dec 2023 09:33

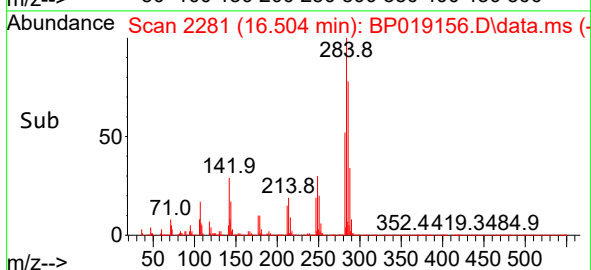
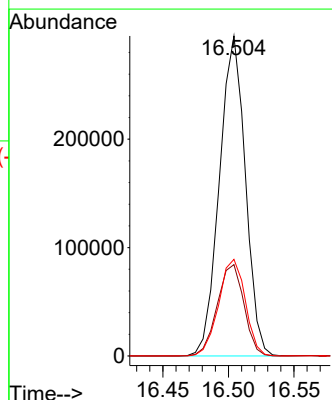
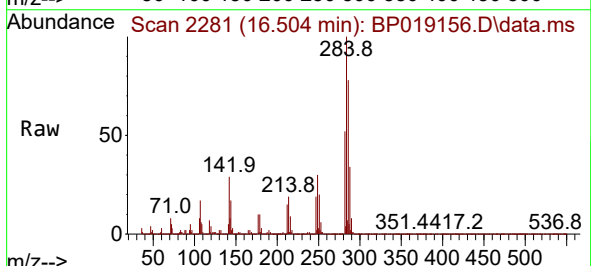
Instrument :
BNA_P
ClientSampleId :
SLCS091

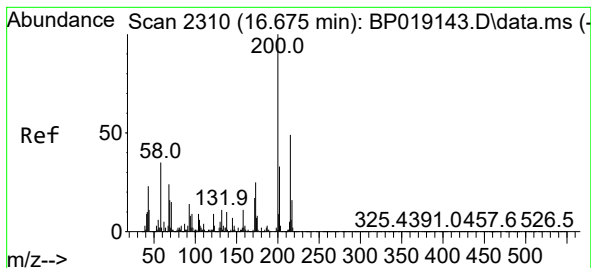
Tgt Ion:248 Resp: 343844
Ion Ratio Lower Upper
248 100
250 97.0 78.3 117.5
141 62.5 48.6 72.8



#69
Hexachlorobenzene
Concen: 33.163 ng/ul
RT: 16.504 min Scan# 2281
Delta R.T. -0.000 min
Lab File: BP019156.D
Acq: 29 Dec 2023 09:33

Tgt Ion:284 Resp: 406104
Ion Ratio Lower Upper
284 100
142 28.6 22.9 34.3
249 30.2 23.7 35.5





#70

Atrazine

Concen: 43.054 ng/ul

RT: 16.675 min Scan# 2310

Delta R.T. -0.000 min

Lab File: BP019156.D

Acq: 29 Dec 2023 09:33

Instrument :

BNA_P

ClientSampleId :

SLCS091

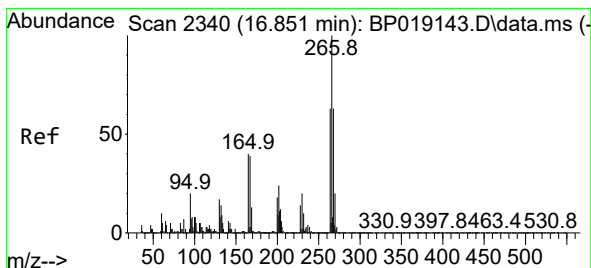
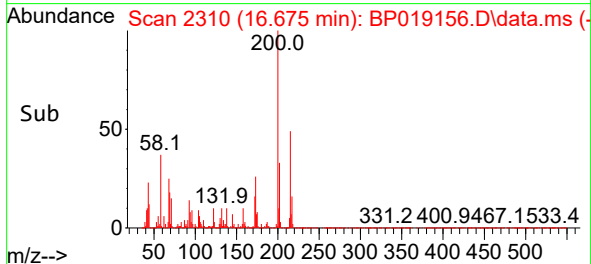
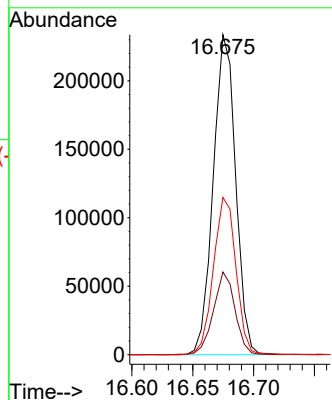
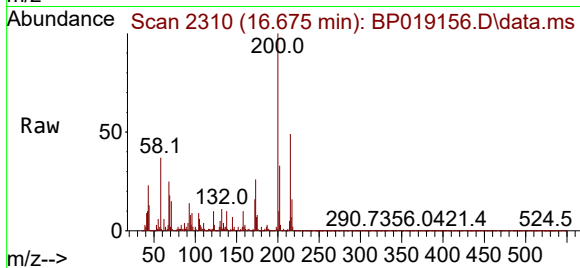
Tgt Ion:200 Resp: 298968

Ion Ratio Lower Upper

200 100

173 25.8 20.2 30.2

215 49.2 39.9 59.9



#71

Pentachlorophenol

Concen: 34.146 ng/ul

RT: 16.851 min Scan# 2340

Delta R.T. -0.000 min

Lab File: BP019156.D

Acq: 29 Dec 2023 09:33

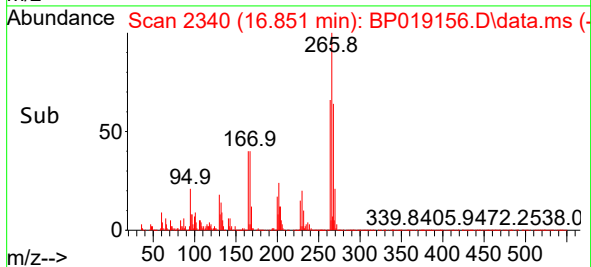
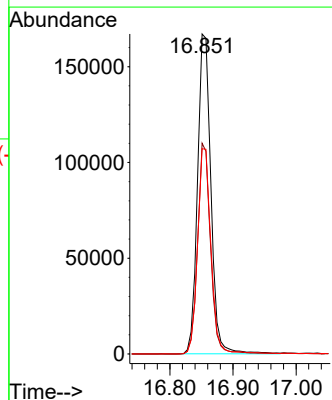
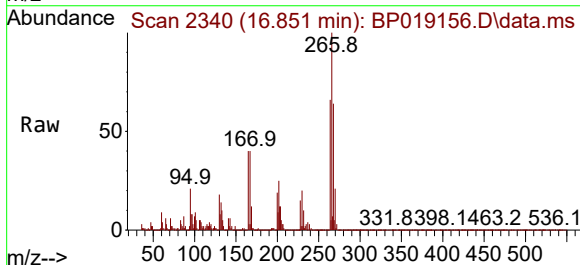
Tgt Ion:266 Resp: 245498

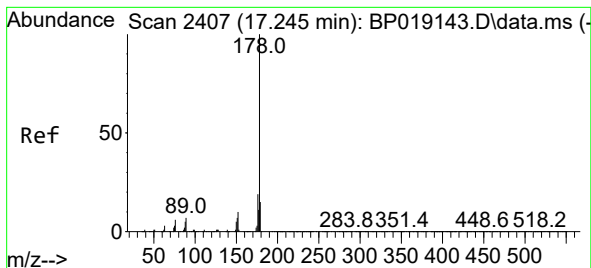
Ion Ratio Lower Upper

266 100

264 65.9 50.0 75.0

268 64.1 52.8 79.2





#72

Phenanthrene

Concen: 32.544 ng/ul

RT: 17.245 min Scan# 2407

Delta R.T. -0.000 min

Lab File: BP019156.D

Acq: 29 Dec 2023 09:33

Instrument :

BNA_P

ClientSampleId :

SLCS091

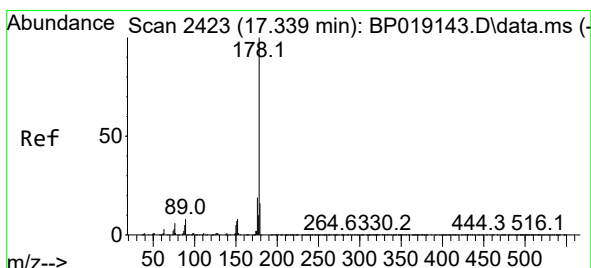
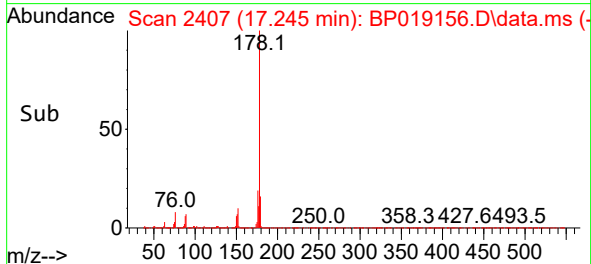
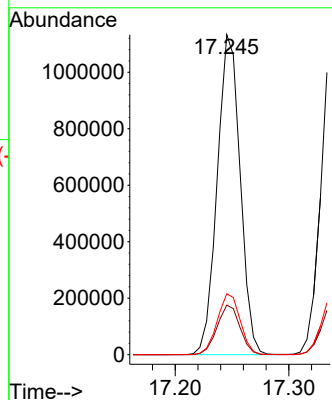
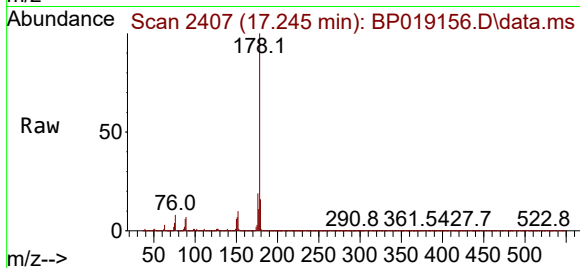
Tgt Ion:178 Resp: 1590007

Ion Ratio Lower Upper

178 100

179 15.5 11.9 17.9

176 19.0 15.0 22.6



#74

Anthracene

Concen: 33.084 ng/ul

RT: 17.339 min Scan# 2423

Delta R.T. -0.000 min

Lab File: BP019156.D

Acq: 29 Dec 2023 09:33

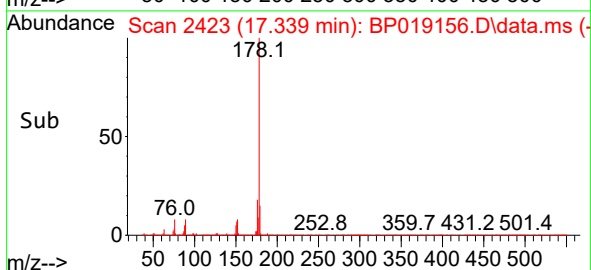
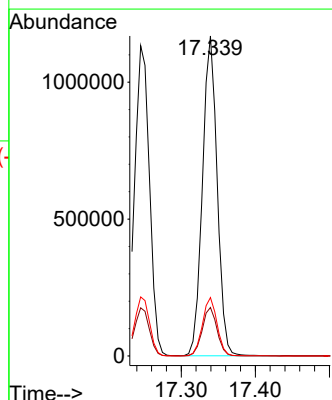
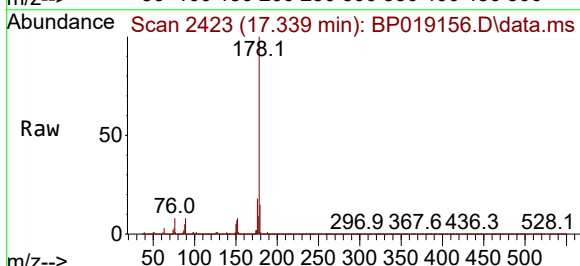
Tgt Ion:178 Resp: 1609183

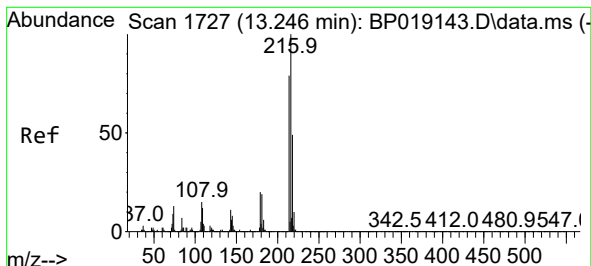
Ion Ratio Lower Upper

178 100

179 15.1 12.2 18.4

176 18.3 14.9 22.3





#75

1,2,3,4-Tetrachlorobenzene

Concen: 35.259 ng/uL

RT: 13.246 min Scan# 1

Delta R.T. -0.000 min

Lab File: BP019156.D

Acq: 29 Dec 2023 09:33

Instrument :

BNA_P

ClientSampleId :

SLCS091

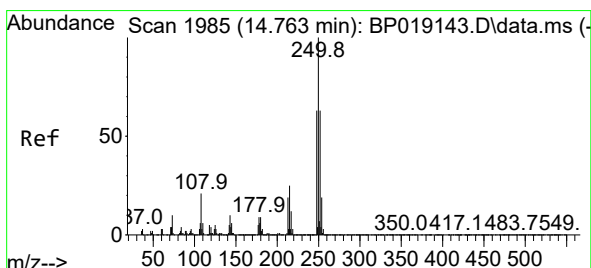
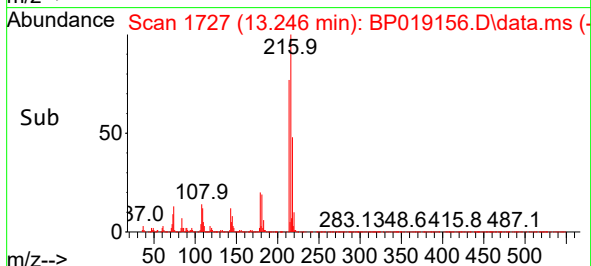
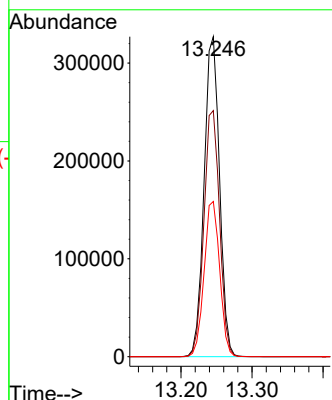
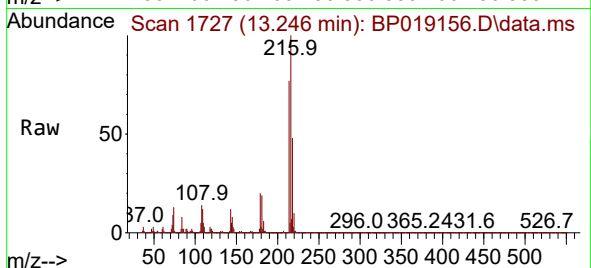
Tgt Ion:216 Resp: 494256

Ion Ratio Lower Upper

216 100

214 76.9 61.6 92.4

218 48.5 38.9 58.3



#76

Pentachlorobenzene

Concen: 33.721 ng/uL

RT: 14.763 min Scan# 1985

Delta R.T. -0.000 min

Lab File: BP019156.D

Acq: 29 Dec 2023 09:33

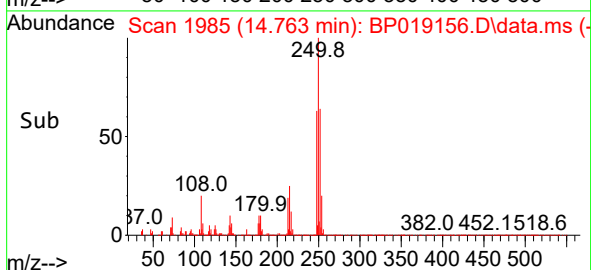
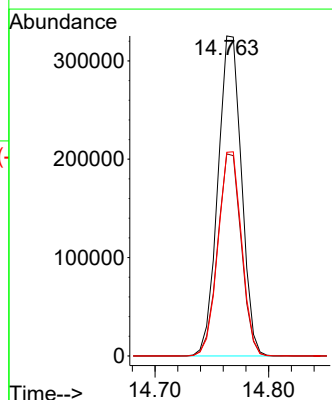
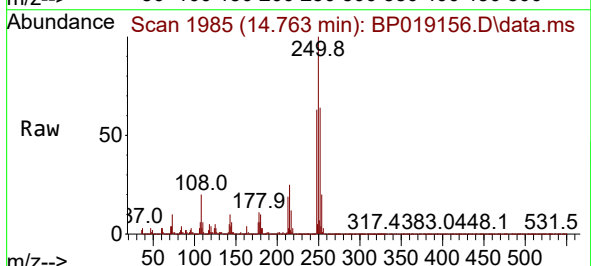
Tgt Ion:250 Resp: 469716

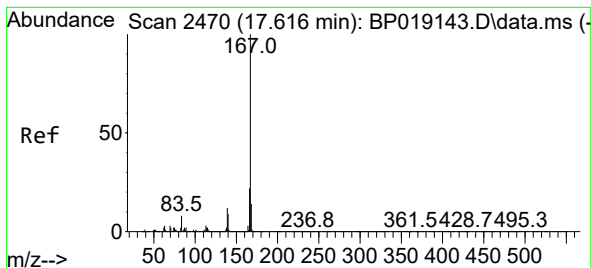
Ion Ratio Lower Upper

250 100

248 63.2 50.4 75.6

252 63.6 52.1 78.1





#77

Carbazole

Concen: 34.973 ng/ul

RT: 17.616 min Scan# 2470

Delta R.T. -0.000 min

Lab File: BP019156.D

Acq: 29 Dec 2023 09:33

Instrument :

BNA_P

ClientSampleId :

SLCS091

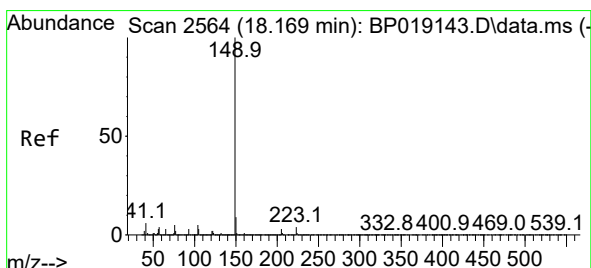
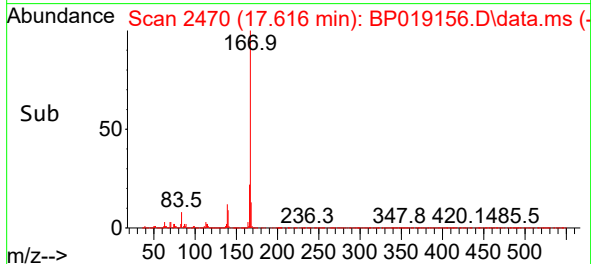
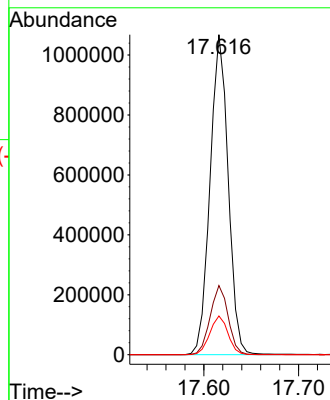
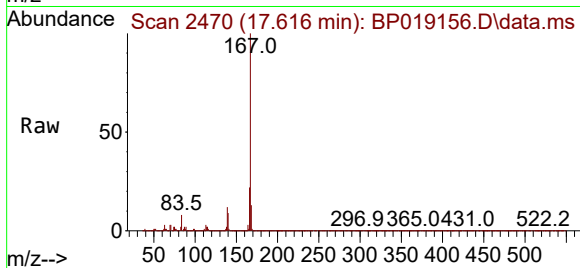
Tgt Ion:167 Resp: 1414961

Ion Ratio Lower Upper

167 100

166 21.6 17.4 26.0

139 12.1 9.8 14.6



#78

Di-n-butylphthalate

Concen: 34.404 ng/ul

RT: 18.175 min Scan# 2565

Delta R.T. 0.006 min

Lab File: BP019156.D

Acq: 29 Dec 2023 09:33

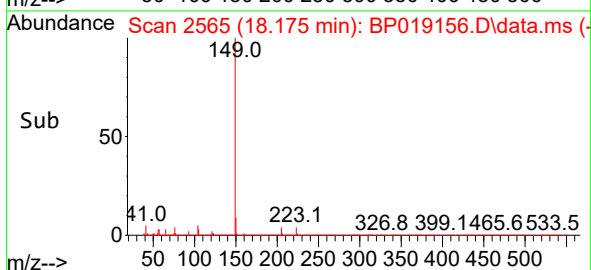
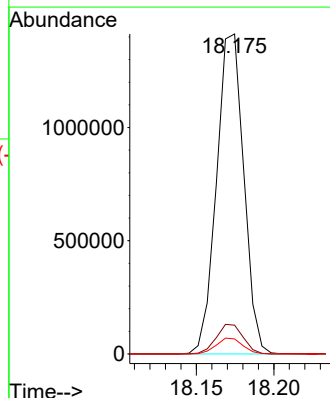
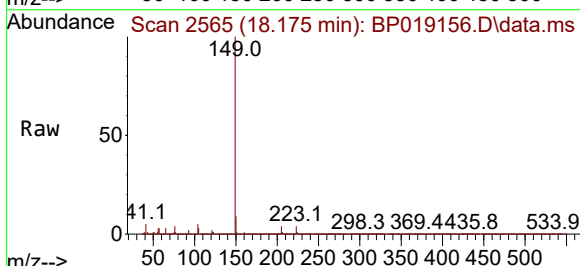
Tgt Ion:149 Resp: 1726321

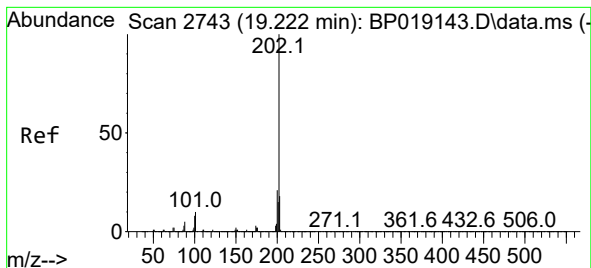
Ion Ratio Lower Upper

149 100

150 9.0 7.3 10.9

104 4.7 3.9 5.9





#80

Fluoranthene

Concen: 32.137 ng/ul

RT: 19.222 min Scan# 21

Delta R.T. -0.000 min

Lab File: BP019156.D

Acq: 29 Dec 2023 09:33

Instrument :

BNA_P

ClientSampleId :

SLCS091

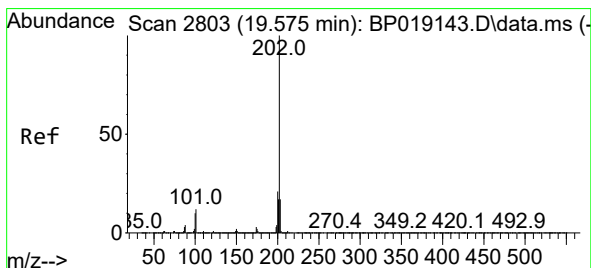
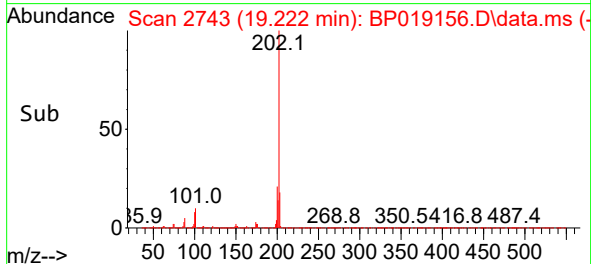
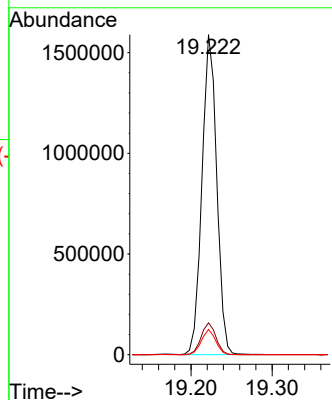
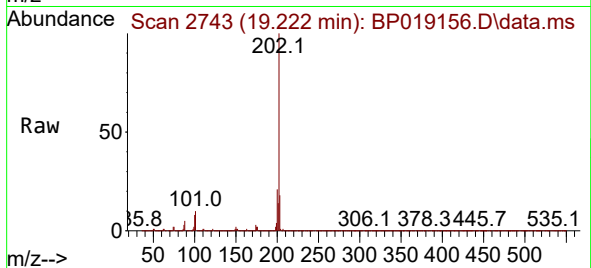
Tgt Ion:202 Resp: 2002690

Ion Ratio Lower Upper

202 100

101 10.0 7.8 11.6

100 7.9 6.0 9.0



#82

Pyrene

Concen: 31.943 ng/ul

RT: 19.575 min Scan# 2803

Delta R.T. -0.000 min

Lab File: BP019156.D

Acq: 29 Dec 2023 09:33

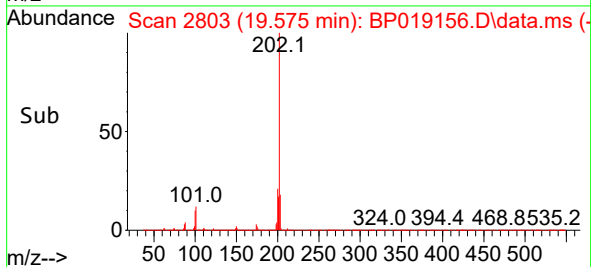
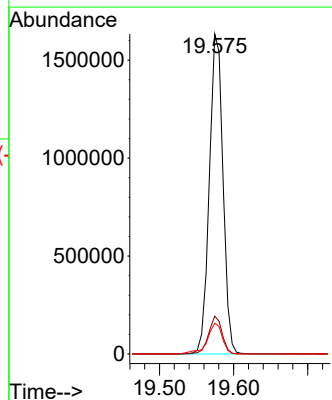
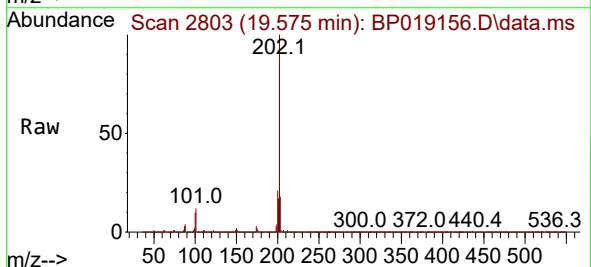
Tgt Ion:202 Resp: 2085551

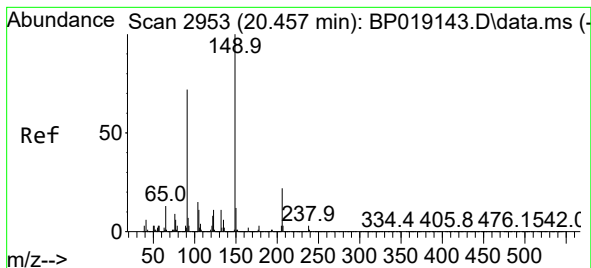
Ion Ratio Lower Upper

202 100

101 11.8 9.2 13.8

100 9.6 7.8 11.6





#83

Butylbenzylphthalate

Concen: 35.070 ng/ul

RT: 20.463 min Scan# 2953

Delta R.T. 0.006 min

Lab File: BP019156.D

Acq: 29 Dec 2023 09:33

Instrument :

BNA_P

ClientSampleId :

SLCS091

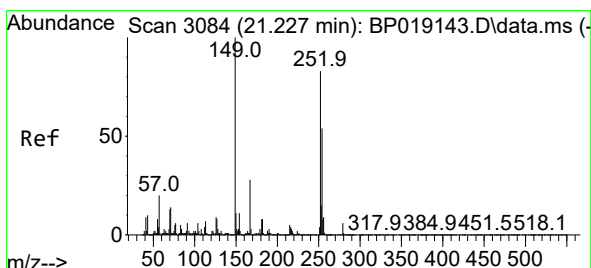
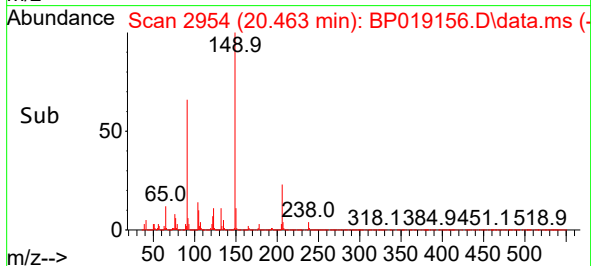
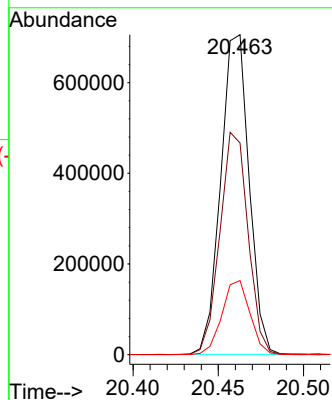
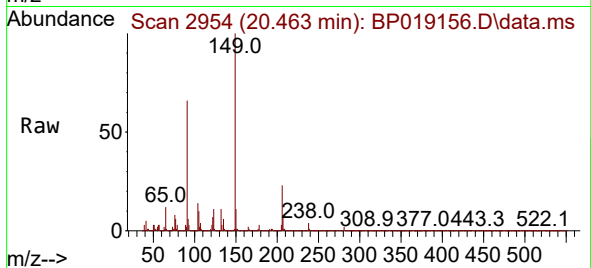
Tgt Ion:149 Resp: 817906

Ion Ratio Lower Upper

149 100

91 66.2 55.6 83.4

206 23.1 17.9 26.9



#84

3,3'-Dichlorobenzidine

Concen: 33.714 ng/ul

RT: 21.233 min Scan# 3085

Delta R.T. 0.006 min

Lab File: BP019156.D

Acq: 29 Dec 2023 09:33

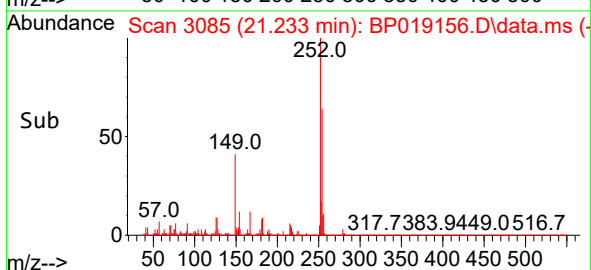
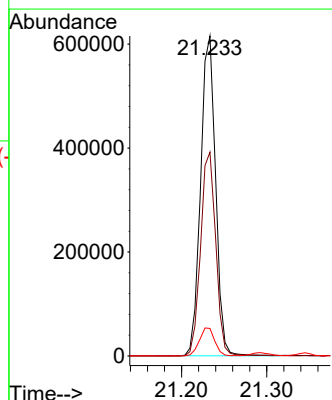
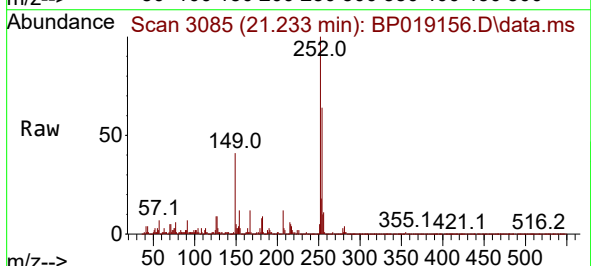
Tgt Ion:252 Resp: 751511

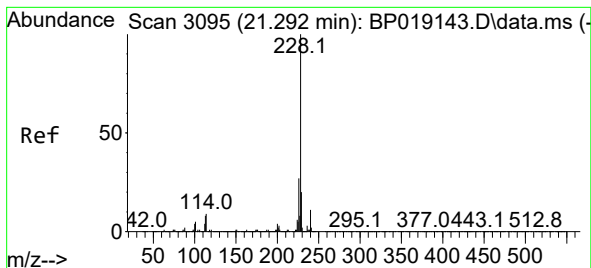
Ion Ratio Lower Upper

252 100

254 63.7 51.5 77.3

126 8.6 7.6 11.4





#85

Benzo(a)anthracene

Concen: 33.282 ng/ul

RT: 21.292 min Scan# 3095

Delta R.T. -0.000 min

Lab File: BP019156.D

Acq: 29 Dec 2023 09:33

Instrument :

BNA_P

ClientSampleId :

SLCS091

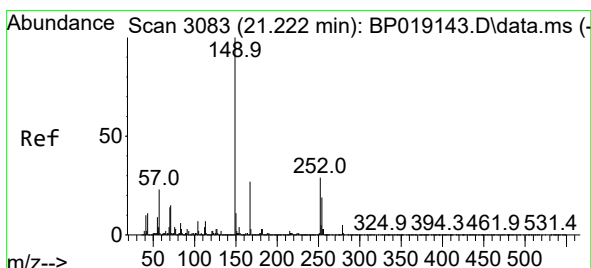
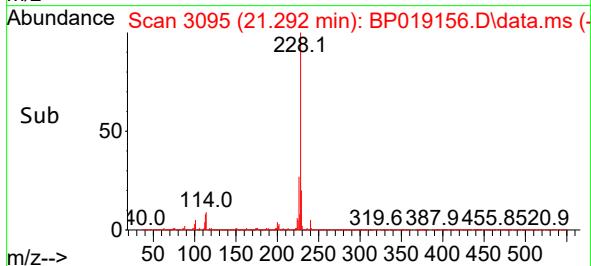
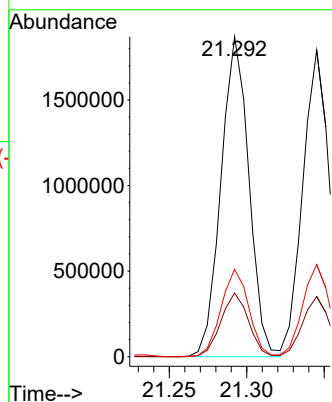
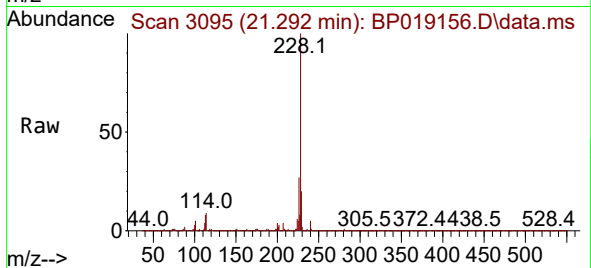
Tgt Ion:228 Resp: 2343225

Ion Ratio Lower Upper

228 100

229 19.9 15.5 23.3

226 27.3 21.9 32.9



#86

Bis(2-ethylhexyl)phthalate

Concen: 36.494 ng/ul

RT: 21.222 min Scan# 3083

Delta R.T. -0.000 min

Lab File: BP019156.D

Acq: 29 Dec 2023 09:33

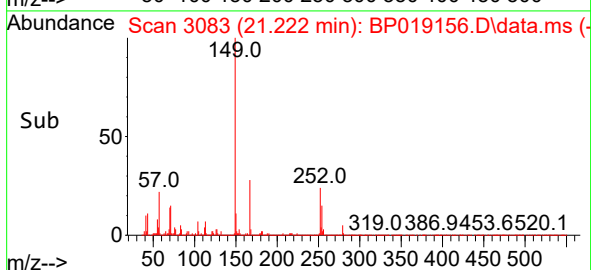
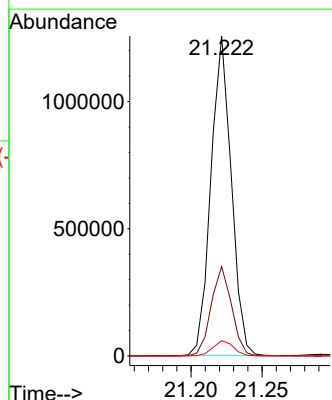
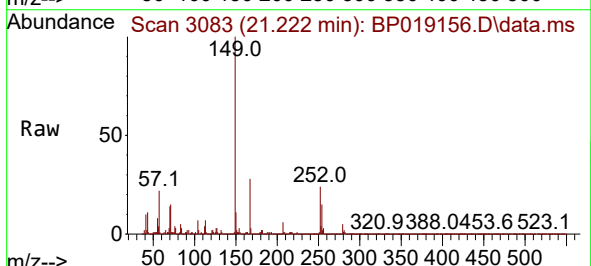
Tgt Ion:149 Resp: 1253261

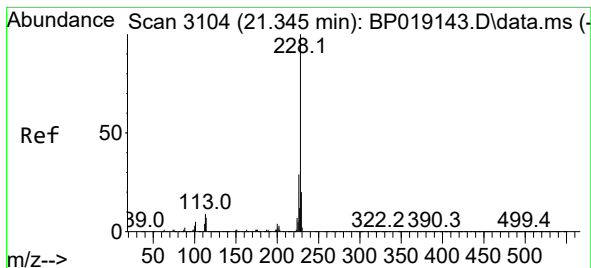
Ion Ratio Lower Upper

149 100

167 27.9 22.5 33.7

279 4.8 4.0 6.0





#87

Chrysene

Concen: 32.755 ng/ul

RT: 21.345 min Scan# 3104

Delta R.T. -0.000 min

Lab File: BP019156.D

Acq: 29 Dec 2023 09:33

Instrument :

BNA_P

ClientSampleId :

SLCS091

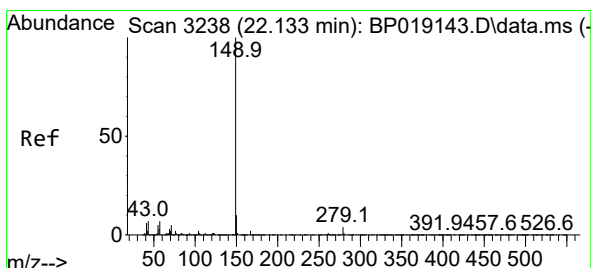
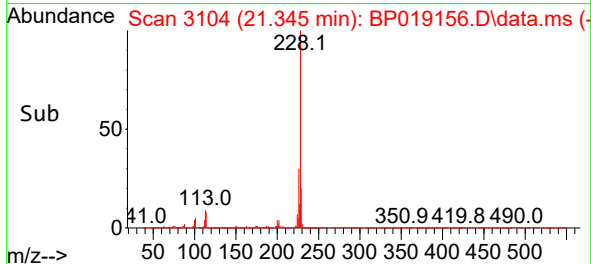
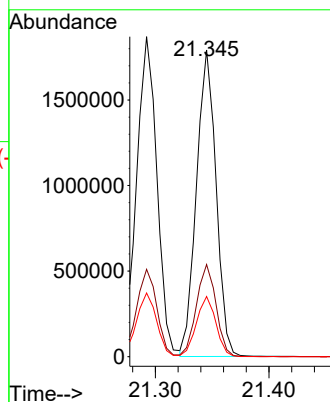
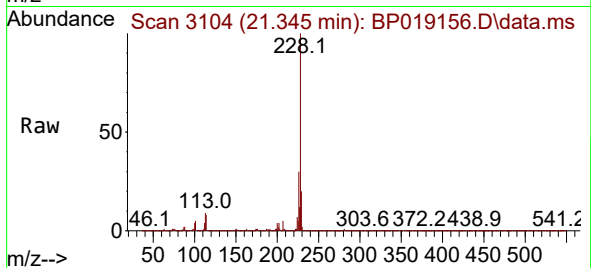
Tgt Ion:228 Resp: 2150396

Ion Ratio Lower Upper

228 100

226 30.0 23.4 35.2

229 19.6 15.6 23.4



#89

Di-n-octyl phthalate

Concen: 36.377 ng/ul

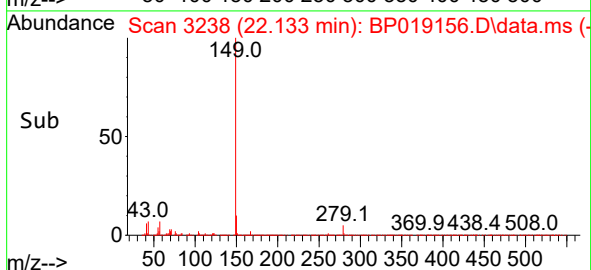
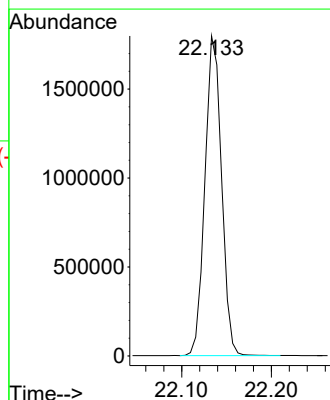
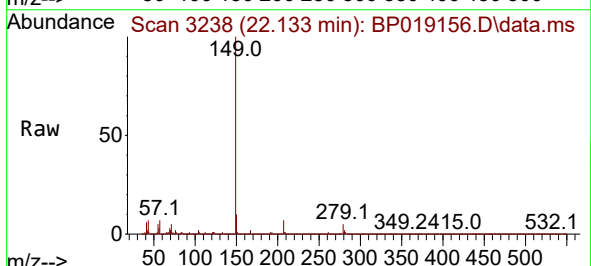
RT: 22.133 min Scan# 3238

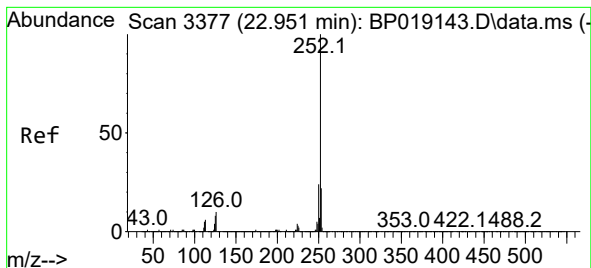
Delta R.T. -0.000 min

Lab File: BP019156.D

Acq: 29 Dec 2023 09:33

Tgt Ion:149 Resp: 2307192





#90

Benzo(b)fluoranthene

Concen: 32.057 ng/ul

RT: 22.951 min Scan# 3377

Delta R.T. -0.000 min

Lab File: BP019156.D

Acq: 29 Dec 2023 09:33

Instrument :

BNA_P

ClientSampleId :

SLCS091

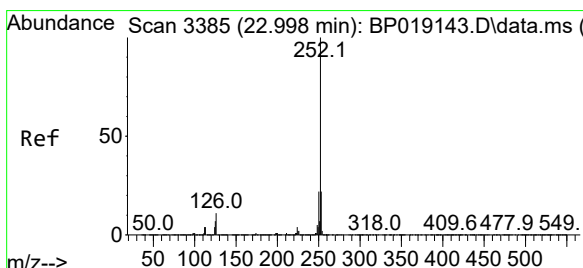
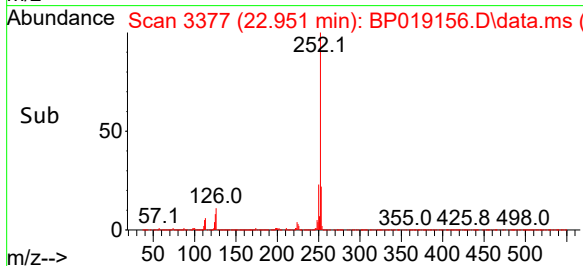
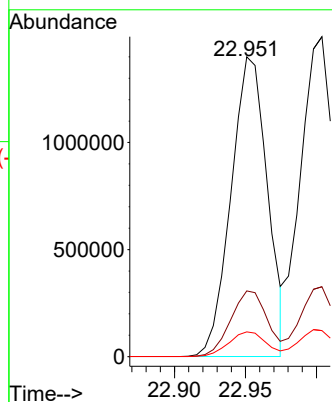
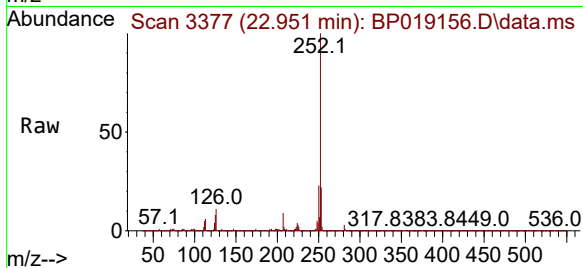
Tgt Ion:252 Resp: 2497437

Ion Ratio Lower Upper

252 100

253 21.9 17.8 26.8

125 8.3 6.8 10.2



#91

Benzo(k)fluoranthene

Concen: 32.859 ng/ul

RT: 23.004 min Scan# 3386

Delta R.T. 0.006 min

Lab File: BP019156.D

Acq: 29 Dec 2023 09:33

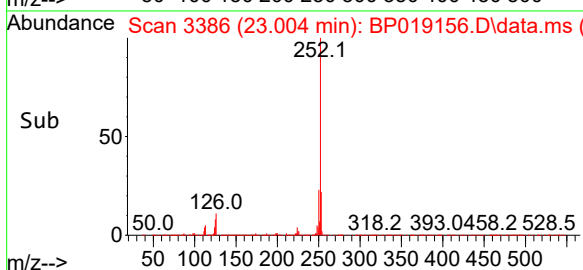
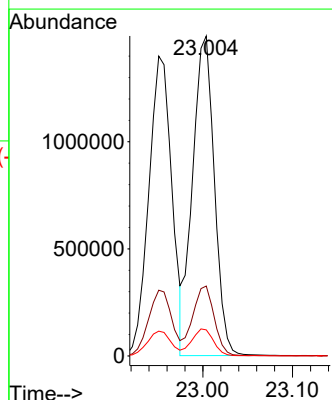
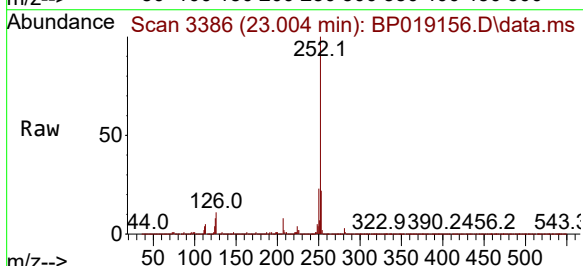
Tgt Ion:252 Resp: 2515435

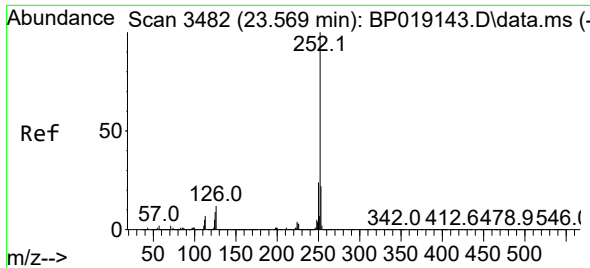
Ion Ratio Lower Upper

252 100

253 21.9 17.4 26.0

125 8.2 6.7 10.1

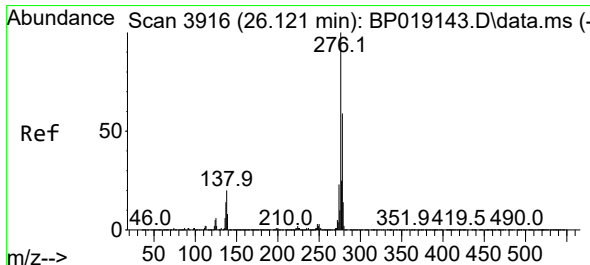
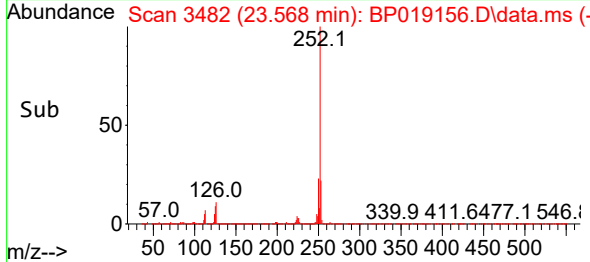
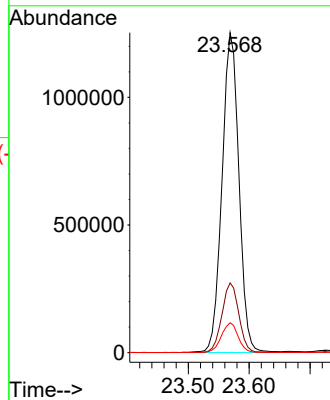
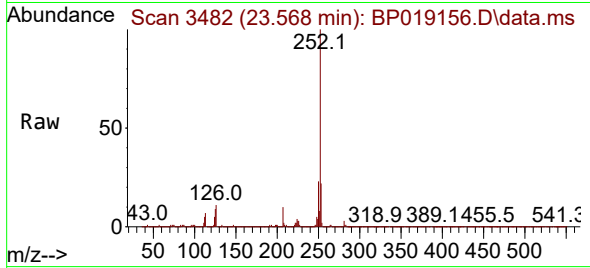




#93
Benzo(a)pyrene
Concen: 32.912 ng/ul
RT: 23.568 min Scan# 3482
Delta R.T. -0.000 min
Lab File: BP019156.D
Acq: 29 Dec 2023 09:33

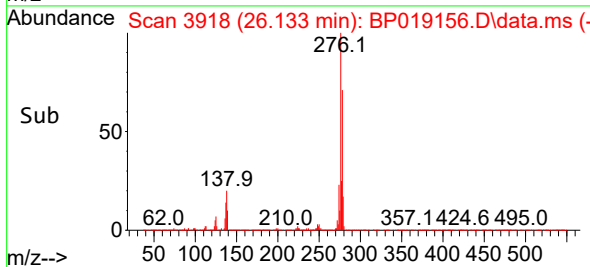
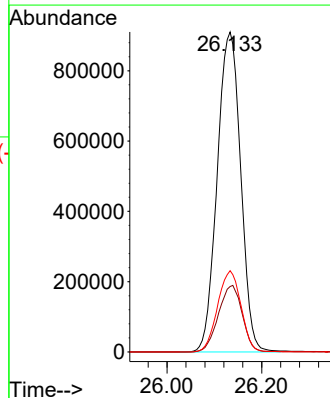
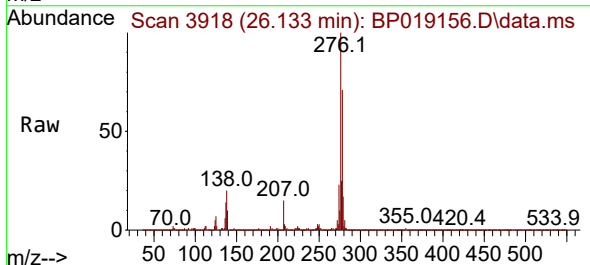
Instrument :
BNA_P
ClientSampleId :
SLCS091

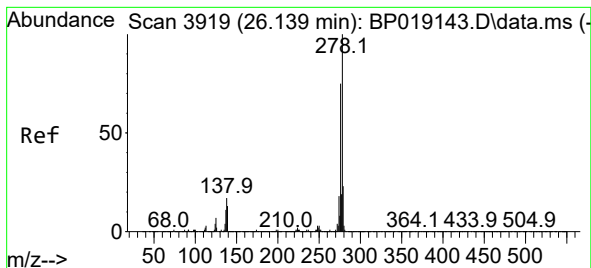
Tgt Ion:252 Resp: 2413283
Ion Ratio Lower Upper
252 100
253 21.8 17.5 26.3
125 9.4 7.4 11.2



#94
Indeno(1,2,3-cd)pyrene
Concen: 33.312 ng/ul
RT: 26.133 min Scan# 3918
Delta R.T. 0.012 min
Lab File: BP019156.D
Acq: 29 Dec 2023 09:33

Tgt Ion:276 Resp: 3131196
Ion Ratio Lower Upper
276 100
138 20.4 16.6 25.0
277 25.4 19.5 29.3





#95

Dibenzo(a,h)anthracene

Concen: 33.397 ng/ul

RT: 26.151 min Scan# 3919

Delta R.T. 0.012 min

Lab File: BP019156.D

Acq: 29 Dec 2023 09:33

Instrument :

BNA_P

ClientSampleId :

SLCS091

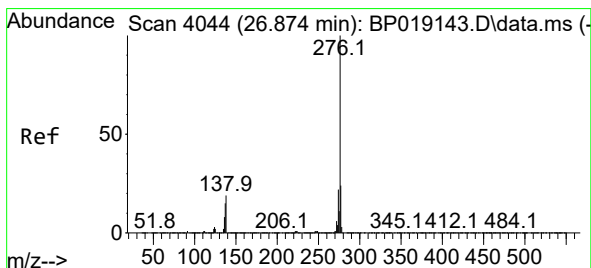
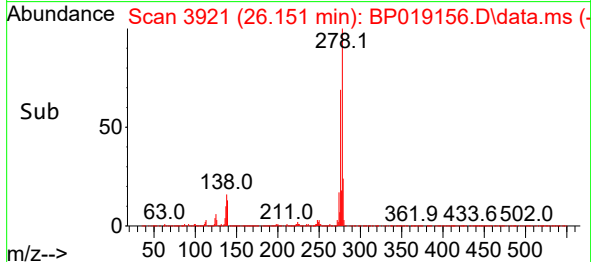
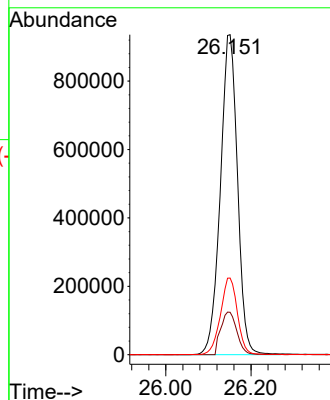
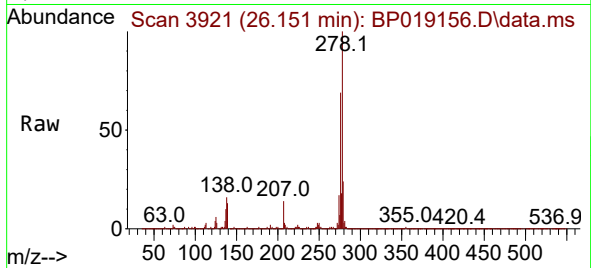
Tgt Ion:278 Resp: 2611483

Ion Ratio Lower Upper

278 100

139 13.3 11.0 16.4

279 24.0 19.2 28.8



#96

Benzo(g,h,i)perylene

Concen: 33.568 ng/ul

RT: 26.886 min Scan# 4046

Delta R.T. 0.012 min

Lab File: BP019156.D

Acq: 29 Dec 2023 09:33

Tgt Ion:276 Resp: 2528528

Ion Ratio Lower Upper

276 100

138 18.2 15.2 22.8

277 23.5 19.4 29.0

