

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP022123\
 Data File : BP013859.D
 Acq On : 21 Feb 2023 10:03
 Operator : CG/JU
 Sample : PB150955BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SBLK955

Quant Time: Feb 22 01:49:20 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP020723.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Feb 22 01:41:33 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.105	152	129253	20.000	ng/ul	0.00
20) Naphthalene-d8	10.934	136	502409	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.745	164	351174	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.498	188	828162	20.000	ng/ul	0.00
79) Chrysene-d12	21.574	240	745043	20.000	ng/ul	0.00
88) Perylene-d12	24.127	264	727632	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.452	96	20057	6.432	ng/uL	0.00
4) Pyridine-d5	3.887	84	284278	30.749	ng/ul	0.00
7) Phenol-d5	7.252	99	382541	33.218	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.422	67	228443	33.851	ng/ul	0.00
11) 2-Chlorophenol-d4	7.634	132	310491	36.625	ng/ul	0.00
15) 4-Methylphenol-d8	8.810	113	317571	33.738	ng/ul	0.00
21) Nitrobenzene-d5	9.275	128	144519	41.343	ng/ul	0.00
24) 2-Nitrophenol-d4	10.005	143	170610	42.271	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.546	165	305199	37.106	ng/ul	0.00
31) 4-Chloroaniline-d4	11.069	131	414602	35.562	ng/ul	0.00
46) Dimethylphthalate-d6	14.145	166	1144572	41.381	ng/ul	0.00
49) Acenaphthylene-d8	14.440	160	1162585	38.830	ng/ul	0.00
54) 4-Nitrophenol-d4	14.928	143	166263	33.741	ng/ul	0.00
60) Fluorene-d10	15.739	176	924143	39.226	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.851	200	188422	37.086	ng/ul	0.00
73) Anthracene-d10	17.598	188	1567184	41.385	ng/ul	0.00
81) Pyrene-d10	19.816	212	1851972	43.833	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.963	264	1540417	42.250	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.493	88	147	0.044	ng/ul#	3
5) Pyridine	3.899	79	552	0.060	ng/ul#	1
6) Benzaldehyde	7.252	77	915	0.176	ng/ul#	19
8) Phenol	7.281	94	1358	0.115	ng/ul#	5
10) Bis(2-Chloroethyl)ether	7.505	93	98	0.010	ng/ul#	56
12) 2-Chlorophenol	7.669	128	727	0.084	ng/ul#	57
13) 2-Methylphenol	8.463	108	12	0.001	ng/ul	89
14) 2,2'-oxybis(1-Chloropr...	8.628	45	121	0.011	ng/ul#	1
16) Acetophenone	8.928	105	144	0.010	ng/ul#	1
17) N-Nitroso-di-n-propyla...	8.916	70	263	0.035	ng/ul#	54
18) 4-Methylphenol	8.875	108	106	0.011	ng/ul	82
19) Hexachloroethane	9.193	117	69	0.019	ng/ul#	10
22) Nitrobenzene	9.322	77	276	0.030	ng/ul#	57
23) Isophorone	9.857	82	151	0.008	ng/ul#	71
25) 2-Nitrophenol	10.040	139	48	0.011	ng/ul#	1
26) 2,4-Dimethylphenol	10.087	107	52	0.005	ng/ul#	68
27) Bis(2-Chloroethoxy)met...	10.334	93	168	0.014	ng/ul#	85
29) 2,4-Dichlorophenol	10.575	162	68	0.008	ng/ul#	1
30) Naphthalene	10.981	128	521	0.019	ng/ul#	74
32) 4-Chloroaniline	11.140	127	36	0.003	ng/ul	96
33) Hexachlorobutadiene	11.251	225	27	0.005	ng/ul#	9
34) Caprolactam	12.075	113	50	0.018	ng/ul	93
35) 4-Chloro-3-methylphenol	12.193	107	87	0.009	ng/ul#	31
36) 2-Methylnaphthalene	12.416	142	7	0.000	ng/ul	85

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP022123\
 Data File : BP013859.D
 Acq On : 21 Feb 2023 10:03
 Operator : CG/JU
 Sample : PB150955BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SBLK955

Quant Time: Feb 22 01:49:20 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP020723.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Feb 22 01:41:33 2023
 Response via : Initial Calibration

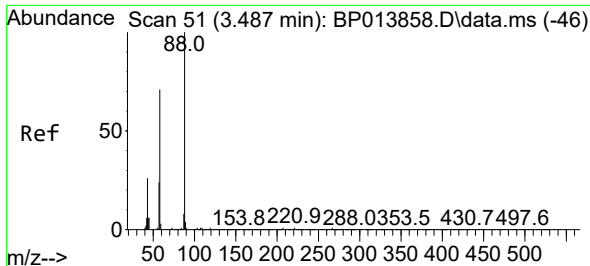
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.798	142	285	0.015	ng/ul#	43
39) 1,2,4,5-Tetrachloroben...	12.946	216	80	0.007	ng/ul#	32
40) Hexachlorocyclopentadiene	12.928	237	5	0.001	ng/ul#	1
41) 2,4,6-Trichlorophenol	13.187	196	2	0.000	ng/ul#	1
42) 2,4,5-Trichlorophenol	13.246	196	6	0.001	ng/ul#	1
43) 1,1'-Biphenyl	13.581	154	340	0.013	ng/ul#	77
44) 2-Chloronaphthalene	13.616	162	37	0.002	ng/ul#	63
45) 2-Nitroaniline	13.822	65	158	0.032	ng/ul#	17
47) Dimethylphthalate	14.187	163	416	0.015	ng/ul#	85
48) 2,6-Dinitrotoluene	14.410	165	69	0.014	ng/ul	100
50) Acenaphthylene	14.469	152	318	0.010	ng/ul#	81
51) 3-Nitroaniline	14.651	138	6	0.001	ng/ul#	1
52) Acenaphthene	14.804	153	1249	0.055	ng/ul#	77
53) 2,4-Dinitrophenol	14.851	184	6	0.002	ng/ul#	34
55) 4-Nitrophenol	14.945	109	397	0.092	ng/ul#	1
56) Dibenzofuran	15.292	168	7	0.000	ng/ul	91
57) 2,4-Dinitrotoluene	15.104	165	365	0.051	ng/ul#	56
58) 2,3,4,6-Tetrachlorophenol	15.369	232	145	0.020	ng/ul#	45
59) Diethylphthalate	15.551	149	452	0.016	ng/ul#	93
61) Fluorene	15.792	166	390	0.015	ng/ul#	81
62) 4-Chlorophenyl-phenyle...	15.775	204	137	0.010	ng/ul#	62
63) 4-Nitroaniline	15.787	138	11	0.002	ng/ul#	1
66) 4,6-Dinitro-2-methylph...	15.845	198	696	0.140	ng/ul#	1
67) N-Nitrosodiphenylamine	15.987	169	211	0.009	ng/ul#	69
68) 4-Bromophenyl-phenylether	16.681	248	58	0.007	ng/ul#	35
69) Hexachlorobenzene	16.792	284	130	0.013	ng/ul#	66
70) Atrazine	16.945	200	18	0.002	ng/ul#	10
71) Pentachlorophenol	17.128	266	16	0.002	ng/ul#	1
72) Phenanthrene	17.545	178	900	0.021	ng/ul#	91
74) Anthracene	17.628	178	597	0.014	ng/ul#	59
75) 1,2,3,4-Tetrachloroben...	13.440	216	8	0.001	ng/uL	94
76) Pentachlorobenzene	15.057	250	129	0.011	ng/ul#	82
77) Carbazole	17.904	167	513	0.013	ng/ul#	79
78) Di-n-butylphthalate	18.433	149	758	0.016	ng/ul#	96
80) Fluoranthene	19.492	202	2092	0.043	ng/ul#	92
82) Pyrene	19.775	202	54	0.001	ng/ul	98
83) Butylbenzylphthalate	20.692	149	119	0.007	ng/ul#	56
84) 3,3'-Dichlorobenzidine	21.486	252	420	0.025	ng/ul#	72
85) Benzo(a)anthracene	21.574	228	3996	0.078	ng/ul#	82
86) Bis(2-ethylhexyl)phtha...	21.457	149	7629	0.282	ng/ul#	95
87) Chrysene	21.616	228	3521	0.073	ng/ul#	80
89) Di-n-octyl phthalate	22.427	149	406	0.008	ng/ul	100
90) Benzo(b)fluoranthene	23.345	252	1967	0.041	ng/ul#	1
91) Benzo(k)fluoranthene	23.398	252	1332	0.028	ng/ul#	1
93) Benzo(a)pyrene	24.010	252	895	0.022	ng/ul#	1
94) Indeno(1,2,3-cd)pyrene	26.827	276	658	0.014	ng/ul#	31
95) Dibenzo(a,h)anthracene	26.827	278	222	0.006	ng/ul#	1
96) Benzo(g,h,i)perylene	27.651	276	318	0.009	ng/ul#	91

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

SBLK955

Response via : Initial Calibration

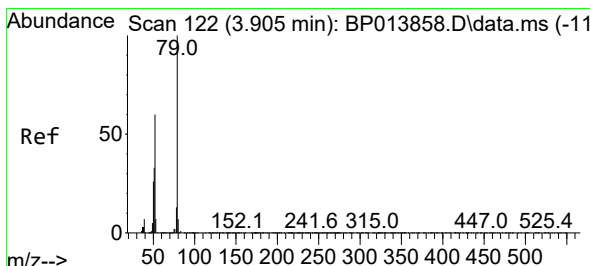
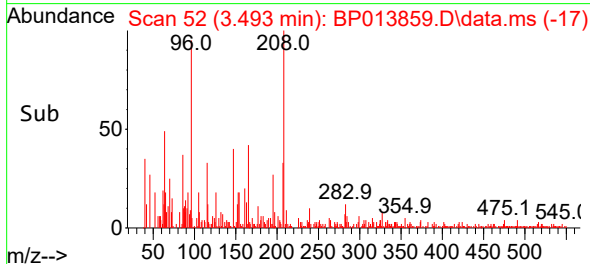
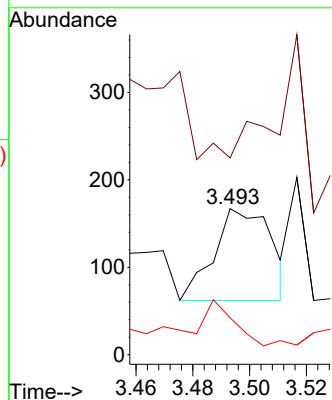
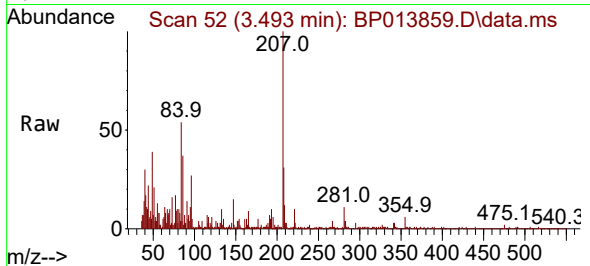




#2
1,4-Dioxane
Concen: 0.044 ng/uL
RT: 3.493 min Scan# 51
Delta R.T. 0.006 min
Lab File: BP013859.D
Acq: 21 Feb 2023 10:03

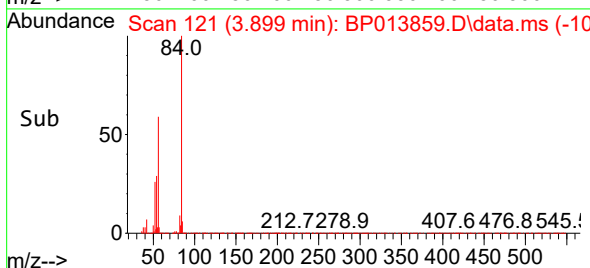
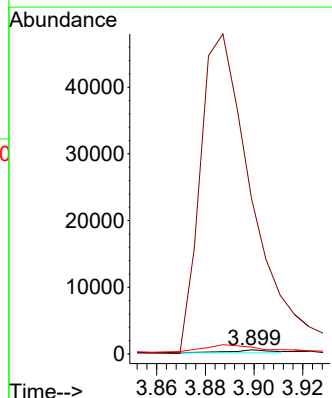
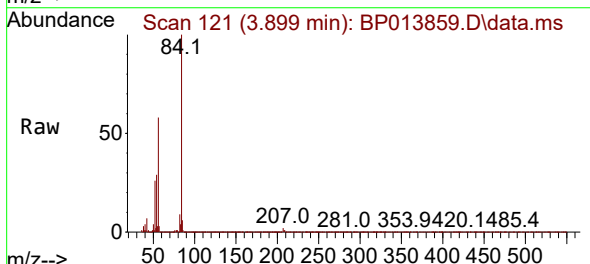
Instrument :
BNA_P
ClientSampleId :
SBLK955

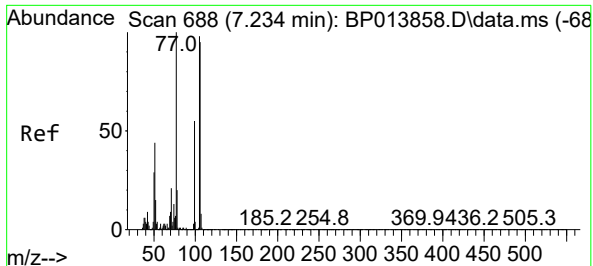
Tgt Ion: 88 Resp: 147
Ion Ratio Lower Upper
88 100
43 134.7 20.1 30.1#
58 25.1 53.0 79.6#



#5
Pyridine
Concen: 0.060 ng/uL
RT: 3.899 min Scan# 121
Delta R.T. -0.006 min
Lab File: BP013859.D
Acq: 21 Feb 2023 10:03

Tgt Ion: 79 Resp: 552
Ion Ratio Lower Upper
79 100
52 3764.4 55.1 82.7#
51 166.0 25.7 38.5#

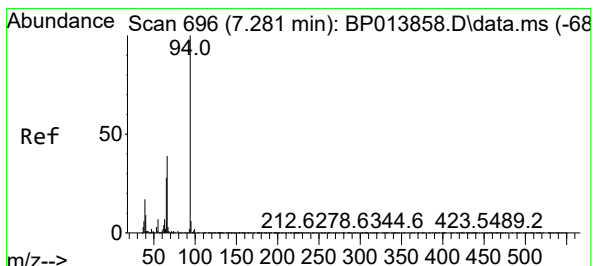
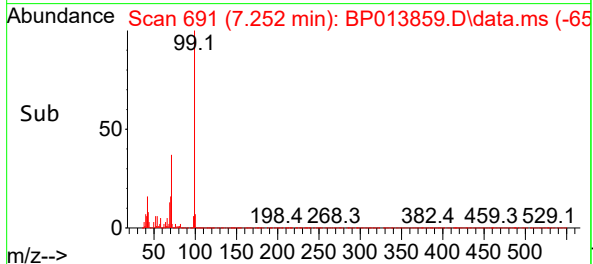
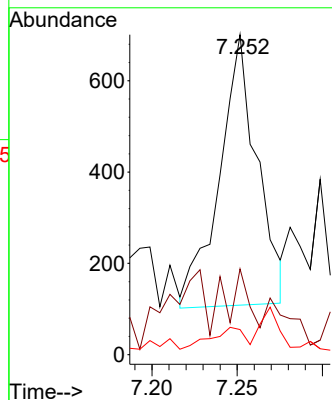
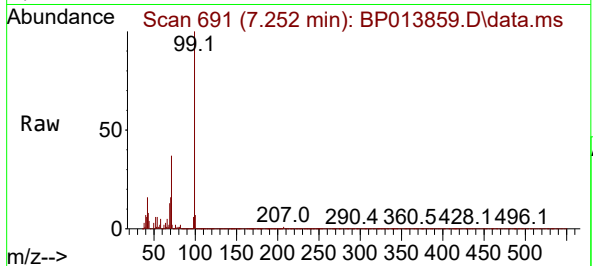




#6
Benzaldehyde
Concen: 0.176 ng/ul
RT: 7.252 min Scan# 691
Delta R.T. 0.018 min
Lab File: BP013859.D
Acq: 21 Feb 2023 10:03

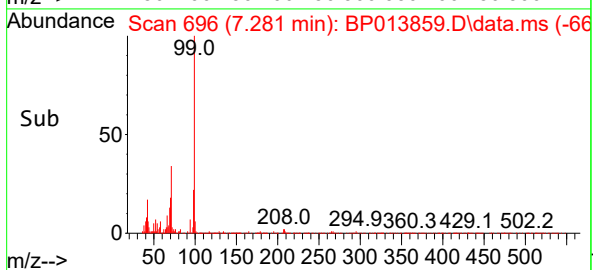
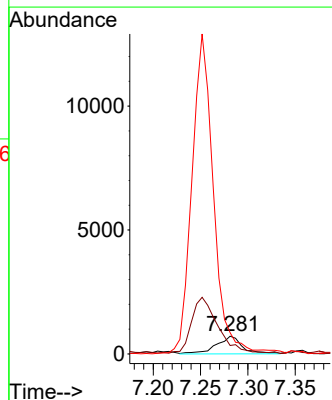
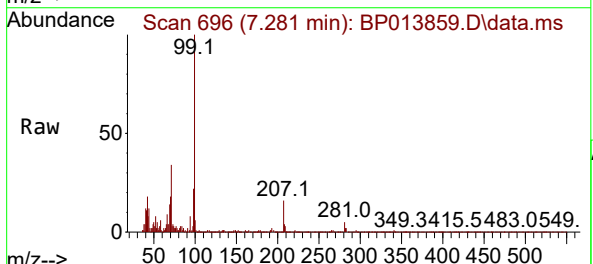
Instrument :
BNA_P
ClientSampleId :
SBLK955

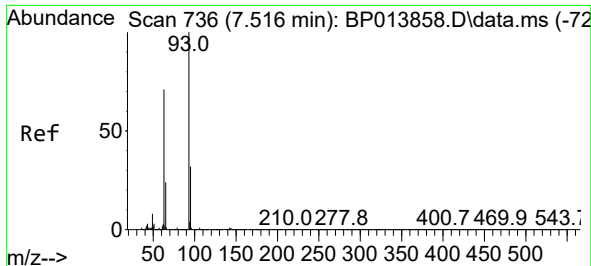
Tgt Ion: 77 Resp: 915
Ion Ratio Lower Upper
77 100
105 26.8 79.5 119.3#
106 7.8 76.5 114.7#



#8
Phenol
Concen: 0.115 ng/ul
RT: 7.281 min Scan# 696
Delta R.T. -0.000 min
Lab File: BP013859.D
Acq: 21 Feb 2023 10:03

Tgt Ion: 94 Resp: 1358
Ion Ratio Lower Upper
94 100
65 47.7 22.2 33.4#
66 119.5 29.6 44.4#

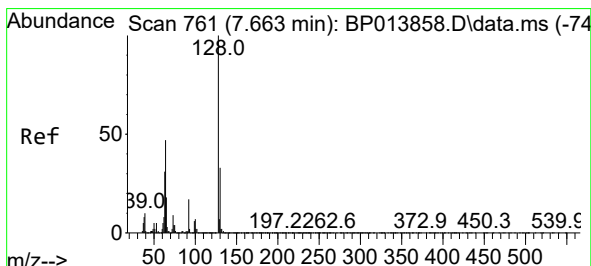
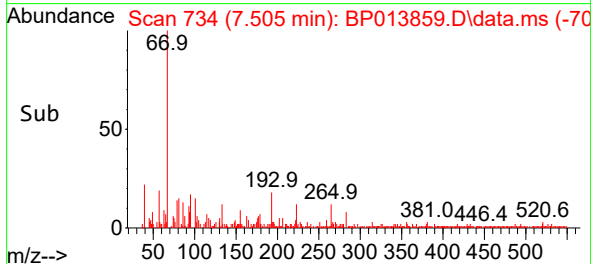
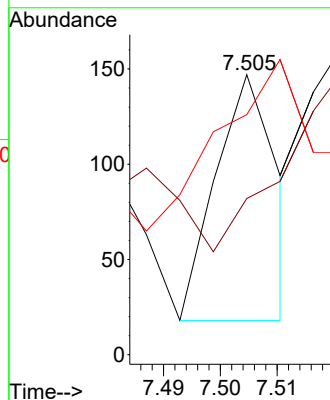
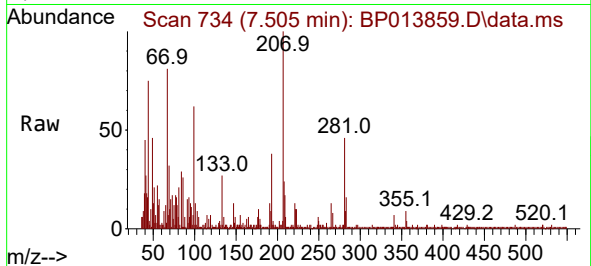




#10
Bis(2-Chloroethyl)ether
Concen: 0.010 ng/ul
RT: 7.505 min Scan# 71
Delta R.T. -0.012 min
Lab File: BP013859.D
Acq: 21 Feb 2023 10:03

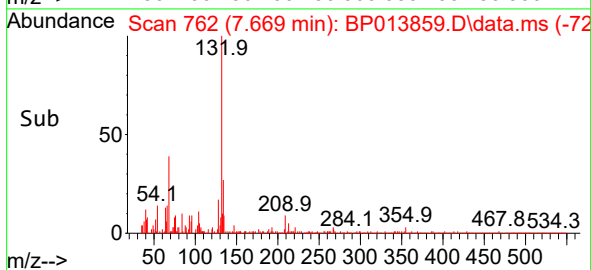
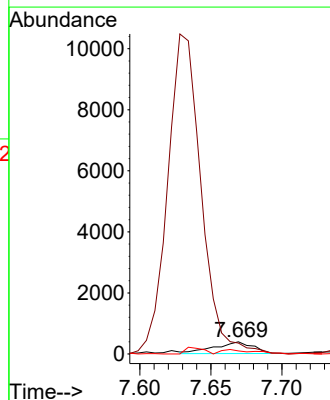
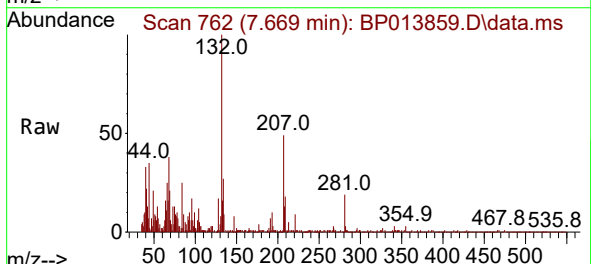
Instrument :
BNA_P
ClientSampleId :
SBLK955

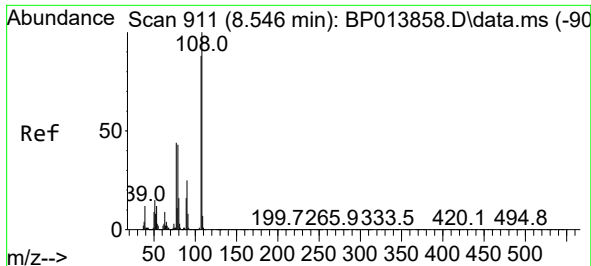
Tgt Ion: 93 Resp: 98
Ion Ratio Lower Upper
93 100
63 55.8 59.4 89.0#
95 85.7 25.8 38.8#



#12
2-Chlorophenol
Concen: 0.084 ng/ul
RT: 7.669 min Scan# 762
Delta R.T. 0.006 min
Lab File: BP013859.D
Acq: 21 Feb 2023 10:03

Tgt Ion:128 Resp: 727
Ion Ratio Lower Upper
128 100
64 89.7 37.3 55.9#
130 25.6 26.3 39.5#

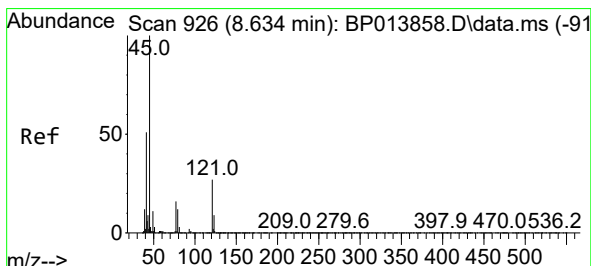
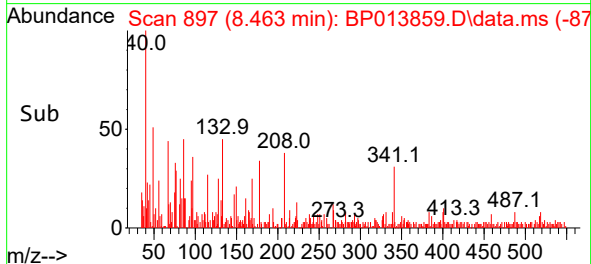
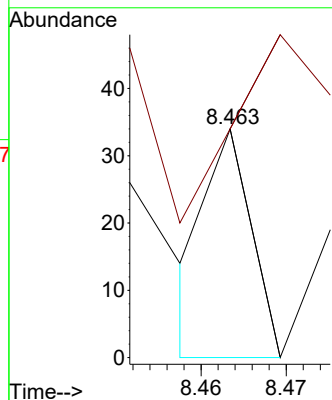
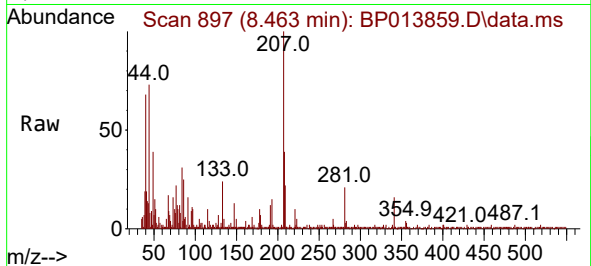




#13
2-Methylphenol
Concen: 0.001 ng/ul
RT: 8.463 min Scan# 897
Delta R.T. -0.082 min
Lab File: BP013859.D
Acq: 21 Feb 2023 10:03

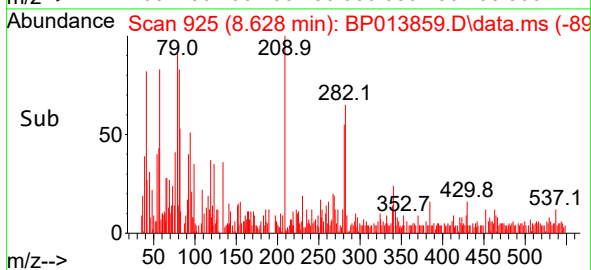
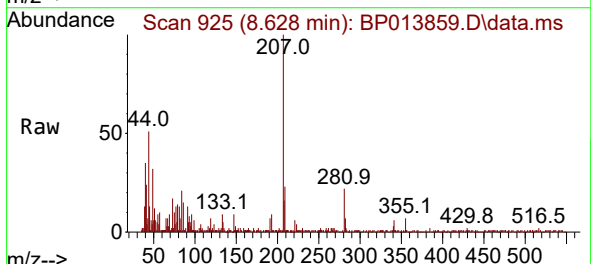
Instrument :
BNA_P
ClientSampleId :
SBLK955

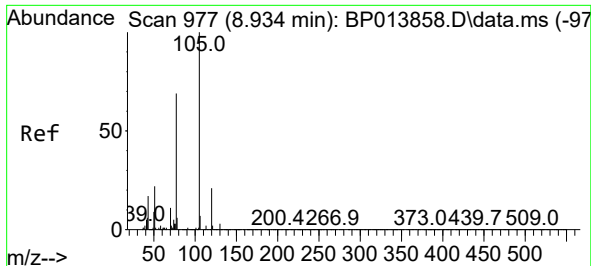
Tgt Ion:108 Resp: 12
Ion Ratio Lower Upper
108 100
107 100.0 71.9 107.9



#14
2,2'-oxybis(1-Chloropropane)
Concen: 0.011 ng/ul
RT: 8.628 min Scan# 925
Delta R.T. -0.006 min
Lab File: BP013859.D
Acq: 21 Feb 2023 10:03

Tgt Ion: 45 Resp: 121
Ion Ratio Lower Upper
45 100
77 100.0 13.4 20.2#
79 124.6 11.0 16.4#

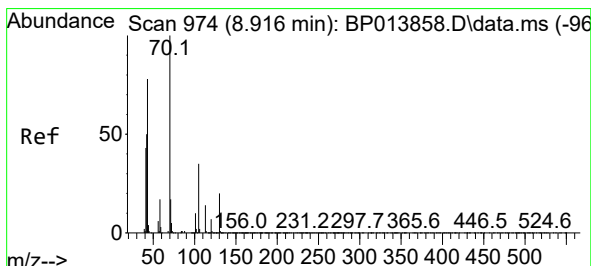
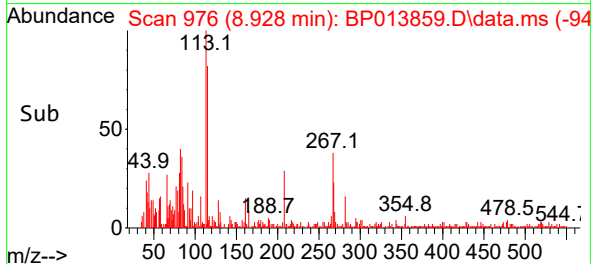
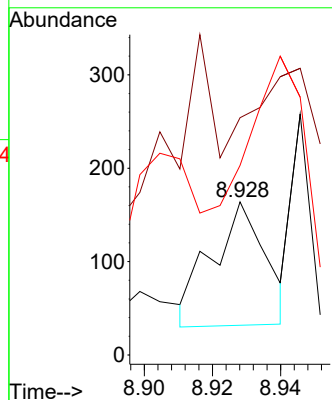
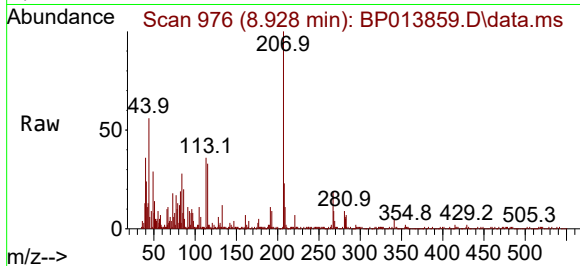




#16
Acetophenone
Concen: 0.010 ng/ul
RT: 8.928 min Scan# 91
Delta R.T. -0.006 min
Lab File: BP013859.D
Acq: 21 Feb 2023 10:03

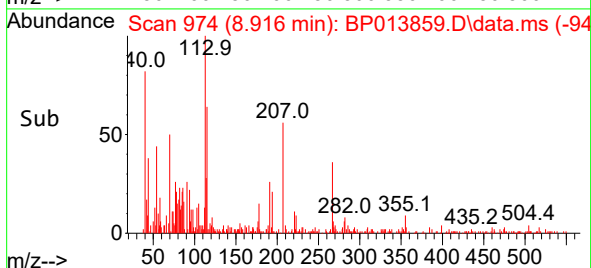
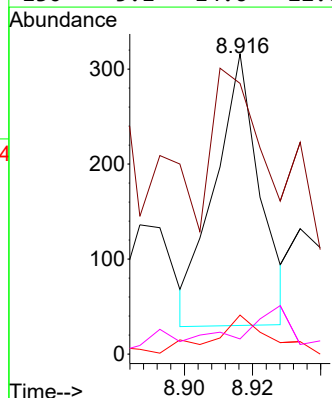
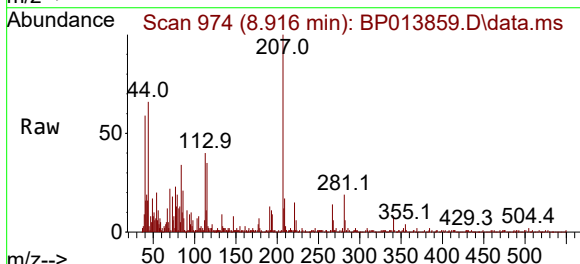
Instrument :
BNA_P
ClientSampleId :
SBLK955

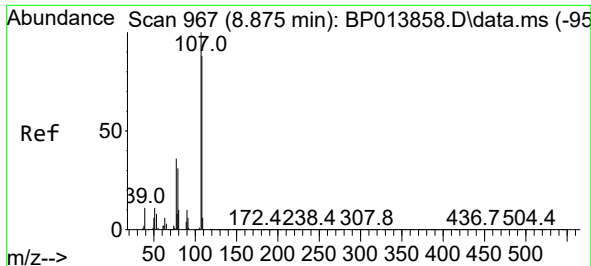
Tgt Ion: 105 Resp: 144
Ion Ratio Lower Upper
105 100
77 154.9 61.0 91.4#
51 123.8 19.6 29.4#



#17
N-Nitroso-di-n-propylamine
Concen: 0.035 ng/ul
RT: 8.916 min Scan# 974
Delta R.T. -0.000 min
Lab File: BP013859.D
Acq: 21 Feb 2023 10:03

Tgt Ion: 70 Resp: 263
Ion Ratio Lower Upper
70 100
42 90.2 39.8 59.8#
101 13.0 7.4 11.2#
130 5.1 14.6 22.0#

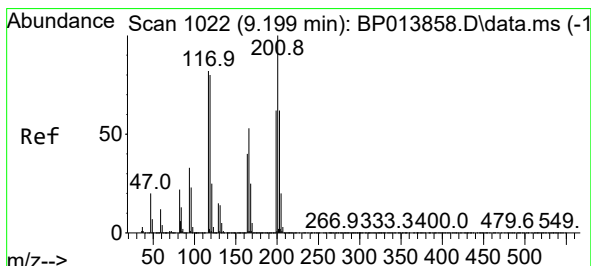
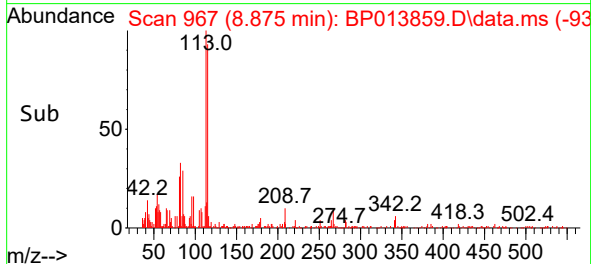
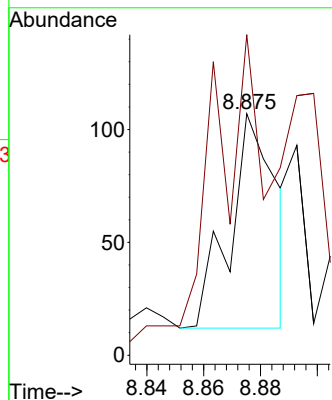
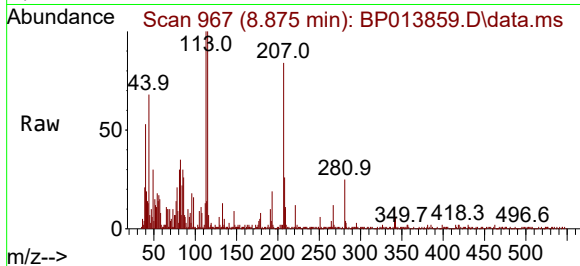




#18
4-Methylphenol
Concen: 0.011 ng/ul
RT: 8.875 min Scan# 90
Delta R.T. -0.000 min
Lab File: BP013859.D
Acq: 21 Feb 2023 10:03

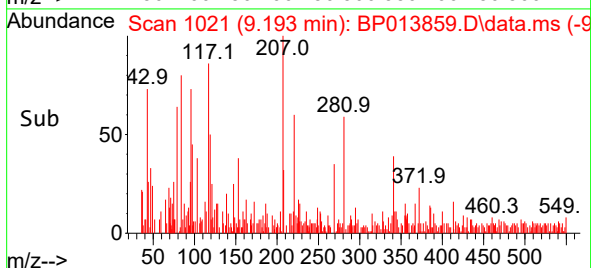
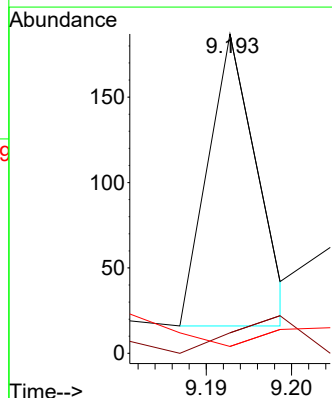
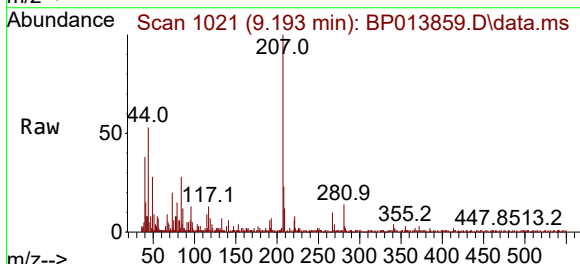
Instrument :
BNA_P
ClientSampleId :
SBLK955

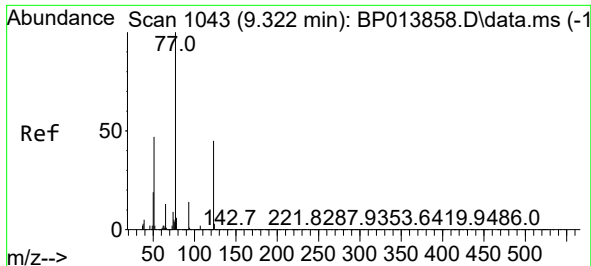
Tgt Ion:108 Resp: 106
Ion Ratio Lower Upper
108 100
107 132.7 90.9 136.3



#19
Hexachloroethane
Concen: 0.019 ng/ul
RT: 9.193 min Scan# 1021
Delta R.T. -0.006 min
Lab File: BP013859.D
Acq: 21 Feb 2023 10:03

Tgt Ion:117 Resp: 69
Ion Ratio Lower Upper
117 100
201 6.4 86.6 129.8#
199 4.3 55.2 82.8#

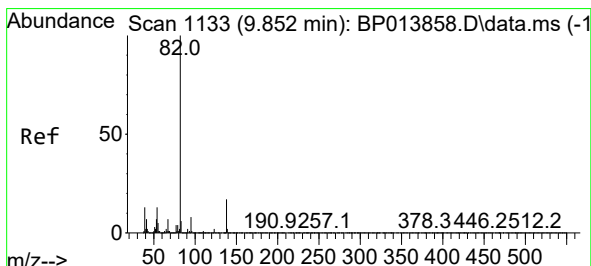
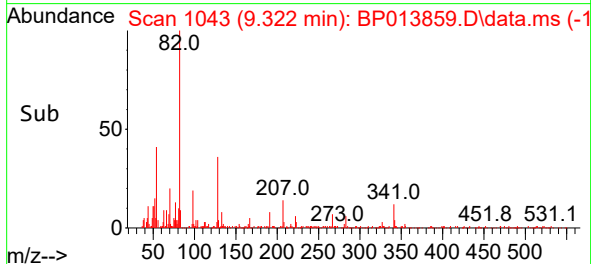
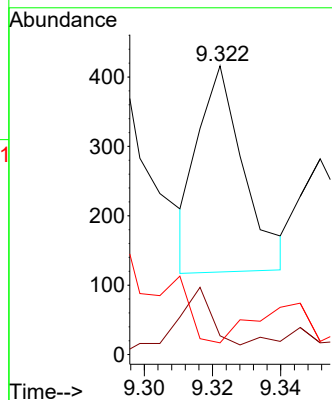
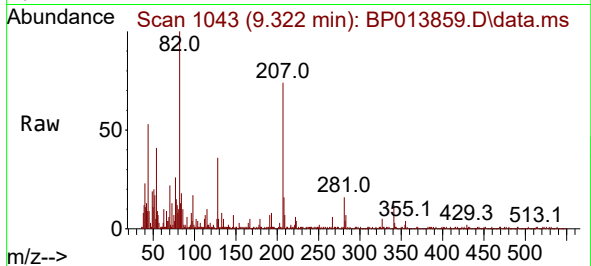




#22
Nitrobenzene
Concen: 0.030 ng/ul
RT: 9.322 min Scan# 1043
Delta R.T. -0.000 min
Lab File: BP013859.D
Acq: 21 Feb 2023 10:03

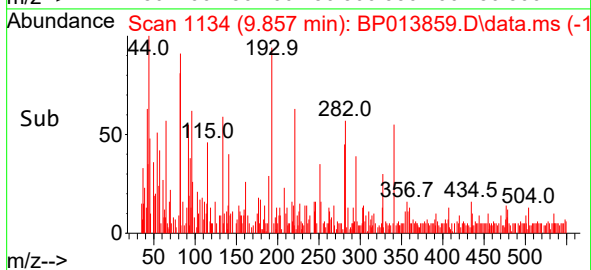
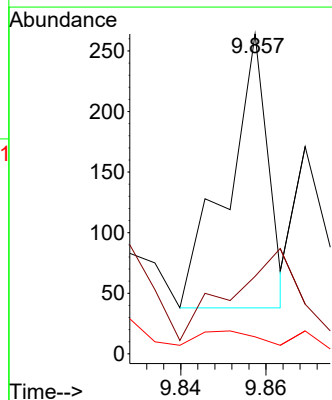
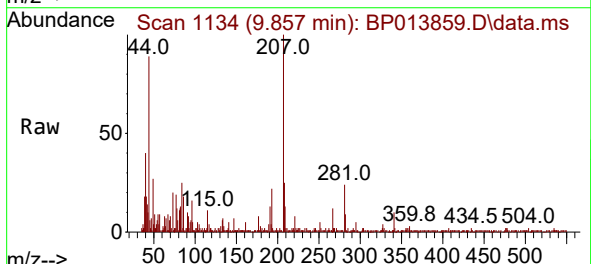
Instrument :
BNA_P
ClientSampleId :
SBLK955

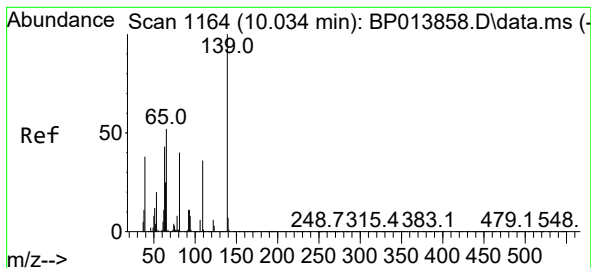
Tgt Ion: 77 Resp: 276
Ion Ratio Lower Upper
77 100
123 12.0 35.1 52.7#
65 4.1 10.6 16.0#



#23
Isophorone
Concen: 0.008 ng/ul
RT: 9.857 min Scan# 1134
Delta R.T. 0.006 min
Lab File: BP013859.D
Acq: 21 Feb 2023 10:03

Tgt Ion: 82 Resp: 151
Ion Ratio Lower Upper
82 100
95 24.2 6.0 9.0#
138 8.0 13.7 20.5#

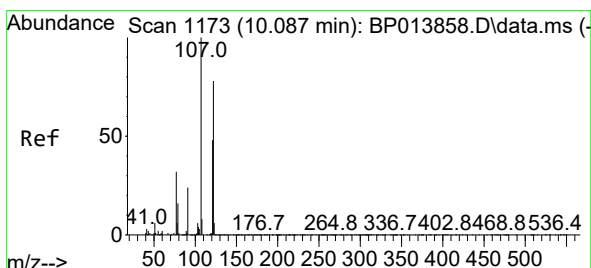
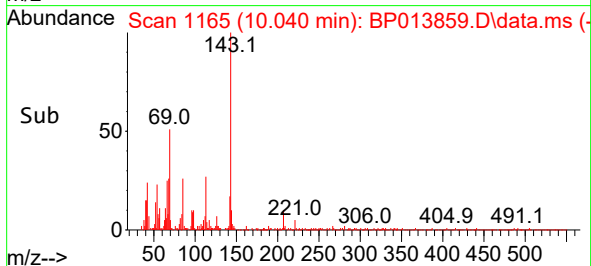
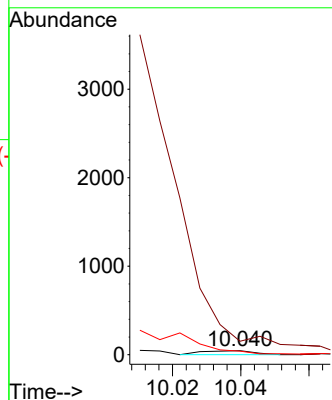
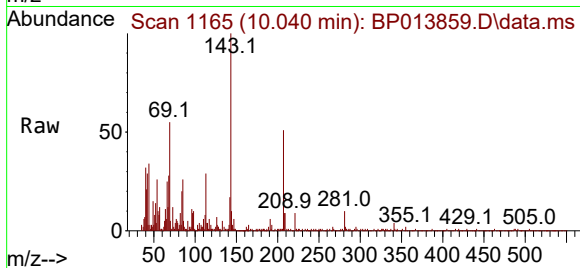




#25
2-Nitrophenol
Concen: 0.011 ng/ul
RT: 10.040 min Scan# 1164
Delta R.T. 0.006 min
Lab File: BP013859.D
Acq: 21 Feb 2023 10:03

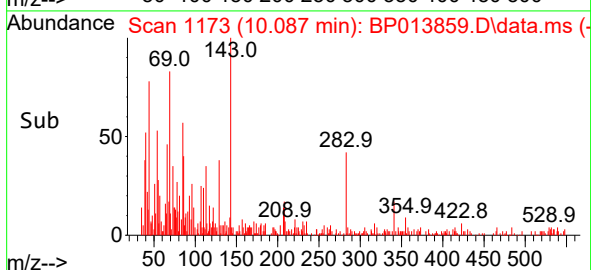
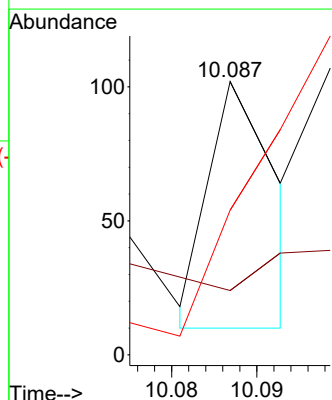
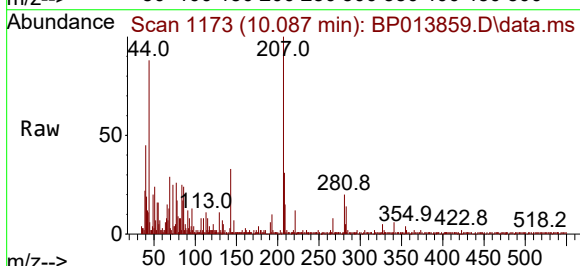
Instrument :
BNA_P
ClientSampleId :
SBLK955

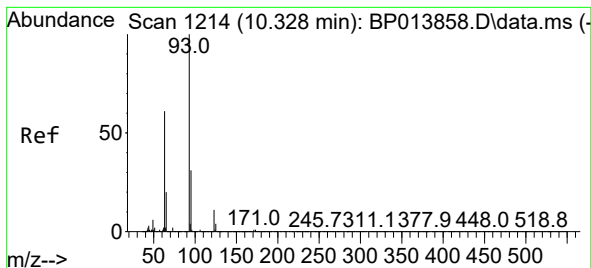
Tgt Ion:139 Resp: 48
Ion Ratio Lower Upper
139 100
65 340.0 39.9 59.9#
109 91.1 27.4 41.0#



#26
2,4-Dimethylphenol
Concen: 0.005 ng/ul
RT: 10.087 min Scan# 1173
Delta R.T. -0.000 min
Lab File: BP013859.D
Acq: 21 Feb 2023 10:03

Tgt Ion:107 Resp: 52
Ion Ratio Lower Upper
107 100
121 23.5 37.8 56.6#
122 52.9 63.7 95.5#

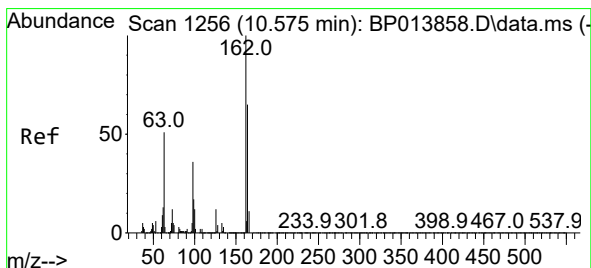
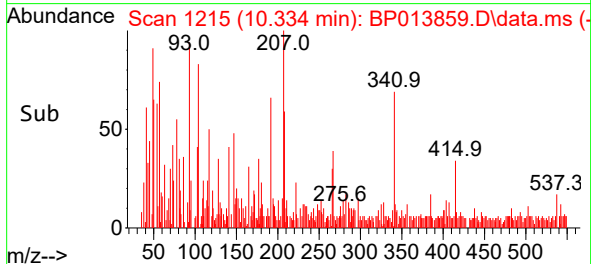
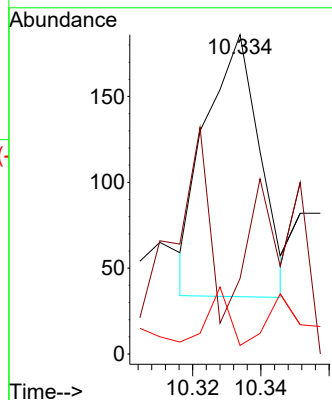
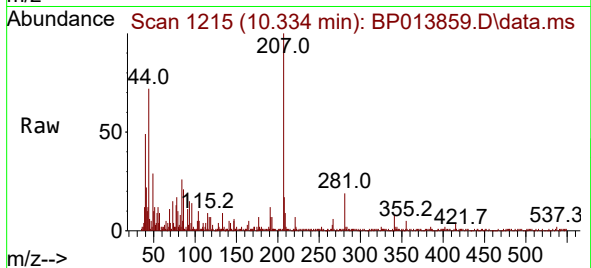




#27
 Bis(2-Chloroethoxy)methane
 Concen: 0.014 ng/ul
 RT: 10.334 min Scan# 1215
 Delta R.T. 0.006 min
 Lab File: BP013859.D
 Acq: 21 Feb 2023 10:03

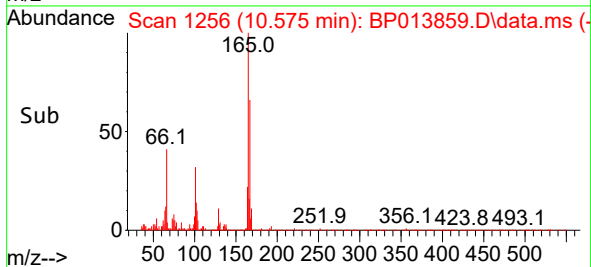
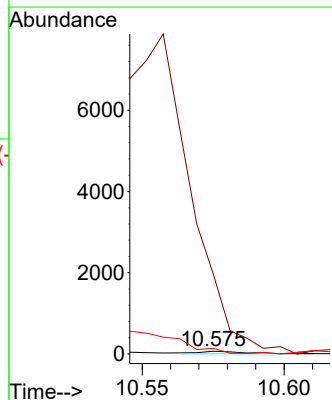
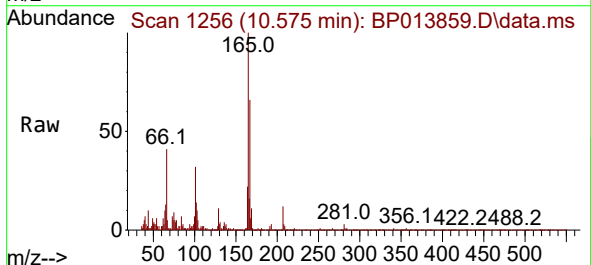
Instrument :
 BNA_P
 ClientSampleId :
 SBLK955

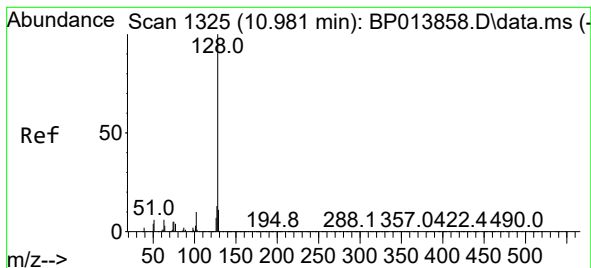
Tgt Ion: 93 Resp: 168
 Ion Ratio Lower Upper
 93 100
 95 23.7 25.0 37.6#
 123 2.7 8.2 12.4#



#29
 2,4-Dichlorophenol
 Concen: 0.008 ng/ul
 RT: 10.575 min Scan# 1256
 Delta R.T. -0.000 min
 Lab File: BP013859.D
 Acq: 21 Feb 2023 10:03

Tgt Ion: 162 Resp: 68
 Ion Ratio Lower Upper
 162 100
 164 2846.4 51.4 77.2#
 98 202.9 27.5 41.3#

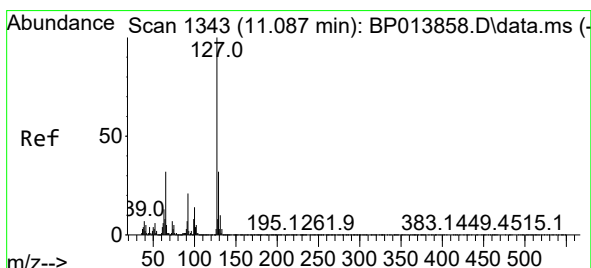
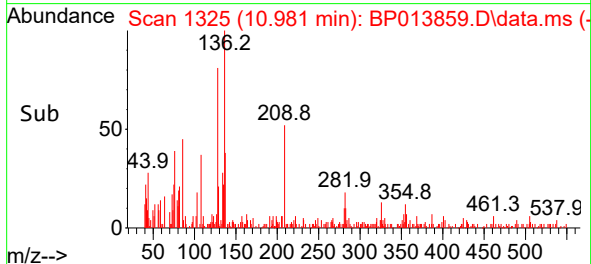
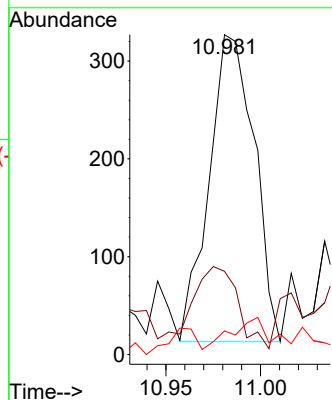
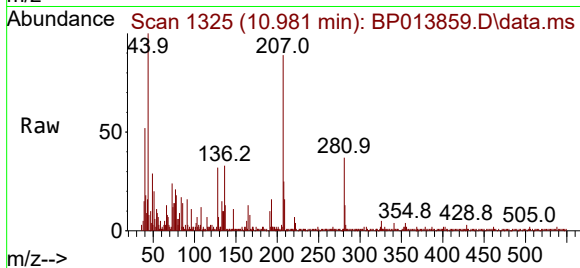




#30
Naphthalene
Concen: 0.019 ng/ul
RT: 10.981 min Scan# 11
Delta R.T. -0.000 min
Lab File: BP013859.D
Acq: 21 Feb 2023 10:03

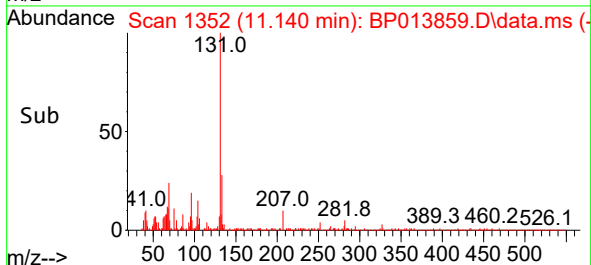
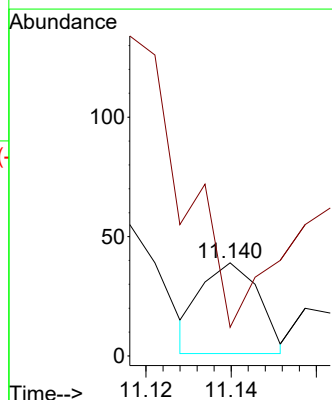
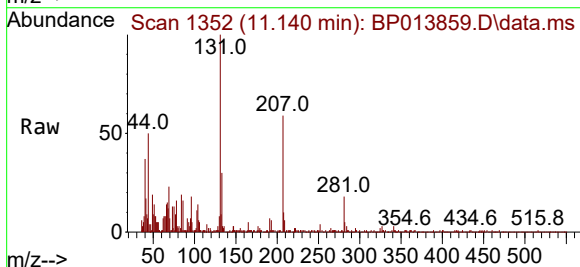
Instrument :
BNA_P
ClientSampleId :
SBLK955

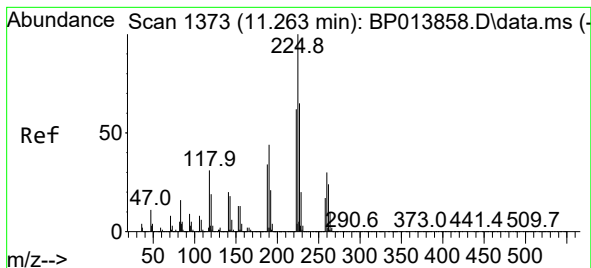
Tgt Ion:128 Resp: 521
Ion Ratio Lower Upper
128 100
129 26.0 8.6 12.8#
127 7.3 10.6 15.8#



#32
4-Chloroaniline
Concen: 0.003 ng/ul
RT: 11.140 min Scan# 1352
Delta R.T. 0.053 min
Lab File: BP013859.D
Acq: 21 Feb 2023 10:03

Tgt Ion:127 Resp: 36
Ion Ratio Lower Upper
127 100
129 30.8 26.2 39.4





#33

Hexachlorobutadiene

Concen: 0.005 ng/ul

RT: 11.251 min Scan# 1

Delta R.T. -0.012 min

Lab File: BP013859.D

Acq: 21 Feb 2023 10:03

Instrument :

BNA_P

ClientSampleId :

SBLK955

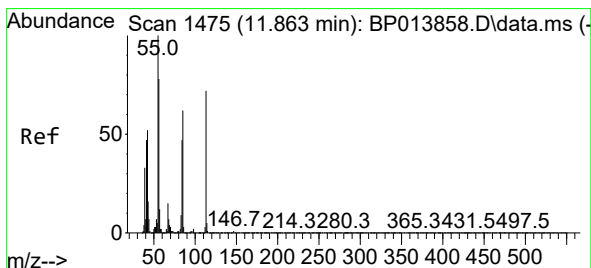
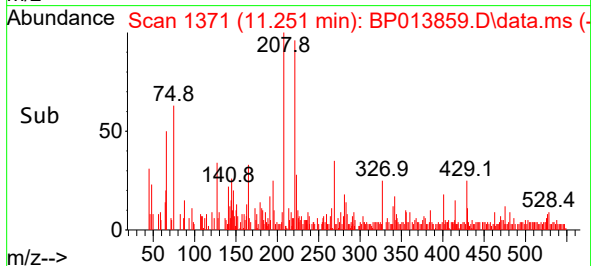
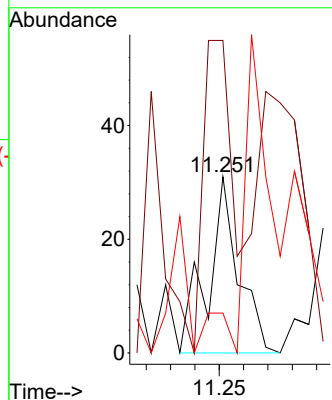
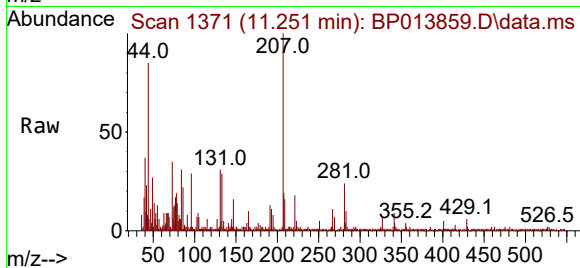
Tgt Ion:225 Resp: 27

Ion Ratio Lower Upper

225 100

223 177.4 50.6 76.0#

227 87.1 49.0 73.4#



#34

Caprolactam

Concen: 0.018 ng/ul

RT: 12.075 min Scan# 1511

Delta R.T. 0.212 min

Lab File: BP013859.D

Acq: 21 Feb 2023 10:03

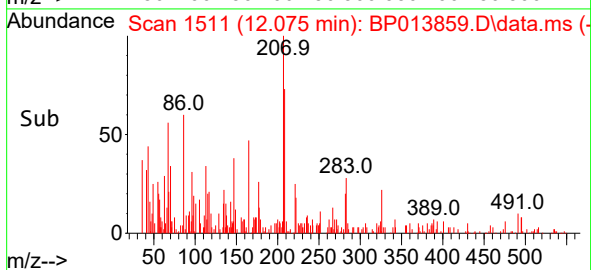
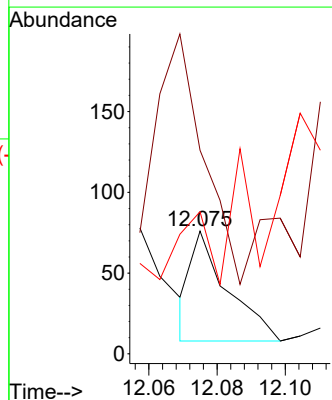
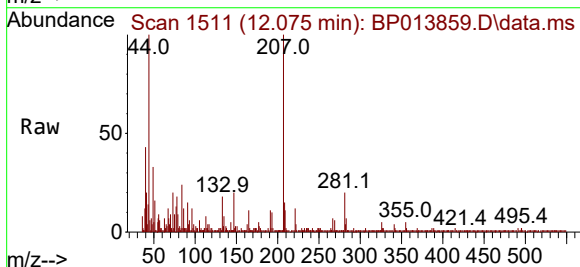
Tgt Ion:113 Resp: 50

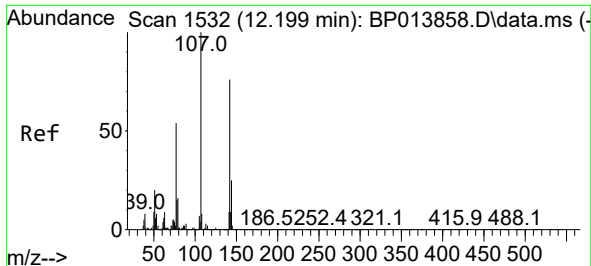
Ion Ratio Lower Upper

113 100

55 165.8 120.9 181.3

56 115.8 93.8 140.8

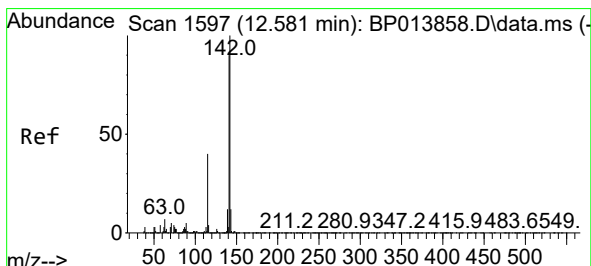
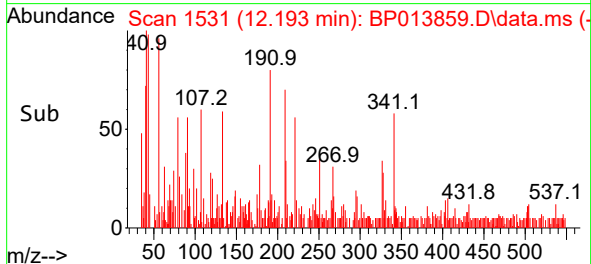
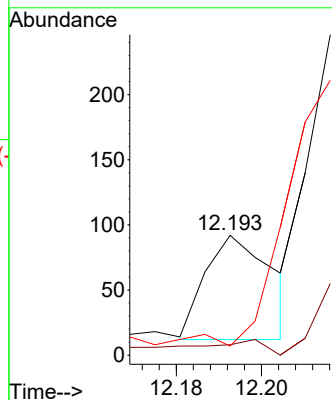
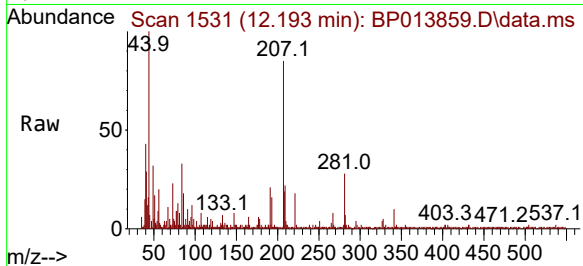




#35
4-Chloro-3-methylphenol
Concen: 0.009 ng/ul
RT: 12.193 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP013859.D
Acq: 21 Feb 2023 10:03

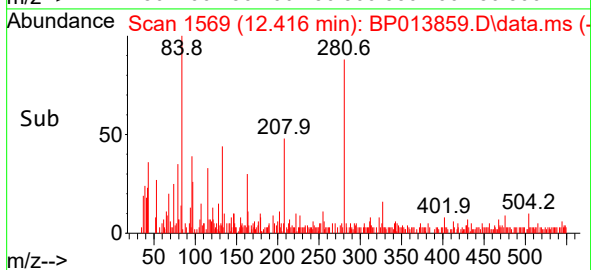
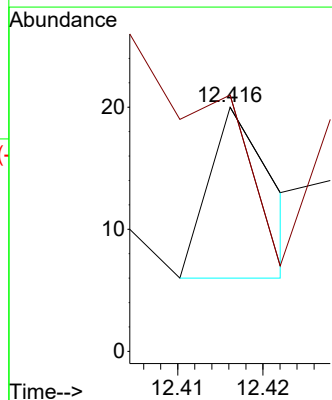
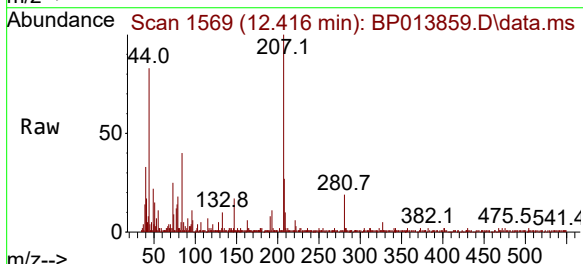
Instrument :
BNA_P
ClientSampleId :
SBLK955

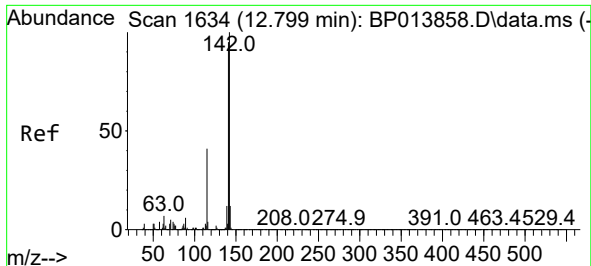
Tgt Ion:107 Resp: 87
Ion Ratio Lower Upper
107 100
144 8.7 20.0 30.0#
142 7.6 62.1 93.1#



#36
2-Methylnaphthalene
Concen: 0.000 ng/ul
RT: 12.416 min Scan# 1569
Delta R.T. -0.165 min
Lab File: BP013859.D
Acq: 21 Feb 2023 10:03

Tgt Ion:142 Resp: 7
Ion Ratio Lower Upper
142 100
141 105.0 72.8 109.2

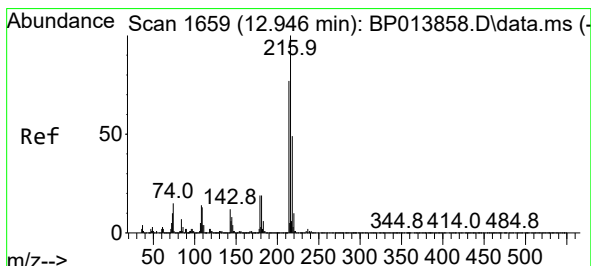
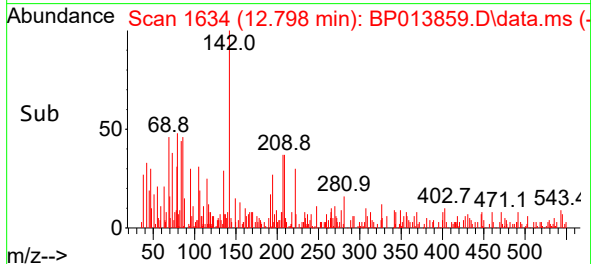
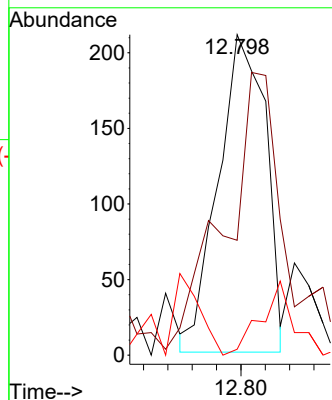
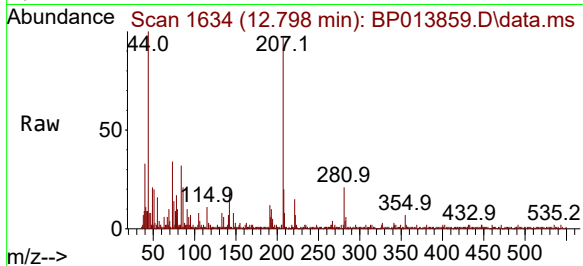




#37
1-Methylnaphthalene
Concen: 0.015 ng/ul
RT: 12.798 min Scan# 1634
Delta R.T. -0.000 min
Lab File: BP013859.D
Acq: 21 Feb 2023 10:03

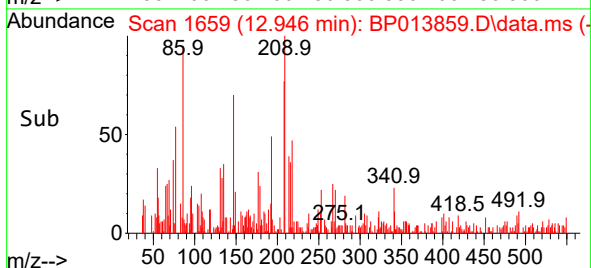
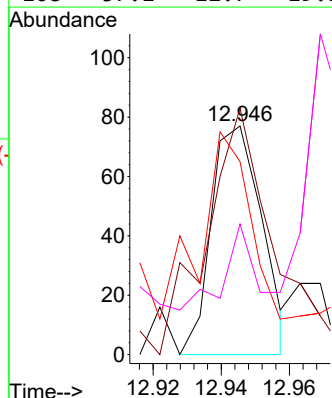
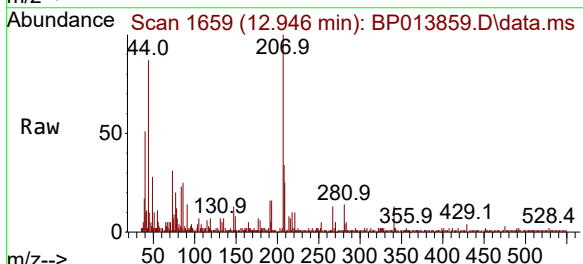
Instrument :
BNA_P
ClientSampleId :
SBLK955

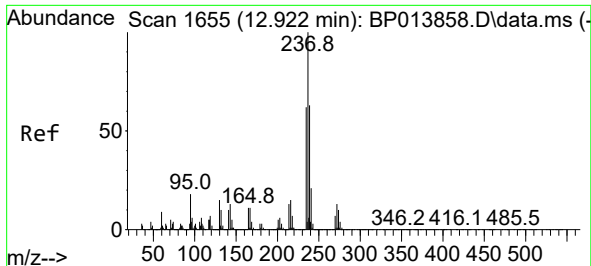
Tgt Ion:142 Resp: 285
Ion Ratio Lower Upper
142 100
141 35.8 74.2 111.2#
116 1.9 3.1 4.7#



#39
1,2,4,5-Tetrachlorobenzene
Concen: 0.007 ng/ul
RT: 12.946 min Scan# 1659
Delta R.T. -0.000 min
Lab File: BP013859.D
Acq: 21 Feb 2023 10:03

Tgt Ion:216 Resp: 80
Ion Ratio Lower Upper
216 100
214 107.8 62.6 93.8#
179 102.6 15.4 23.2#
108 57.1 12.7 19.1#

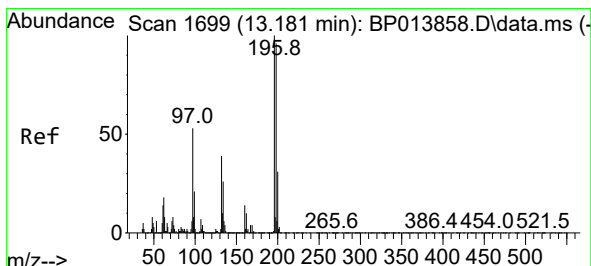
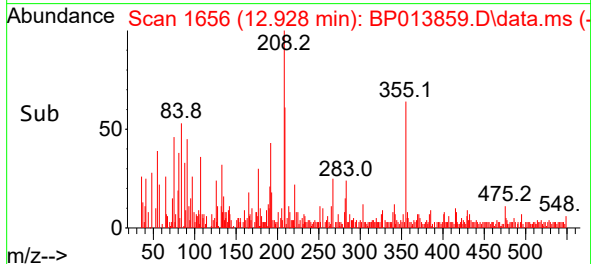
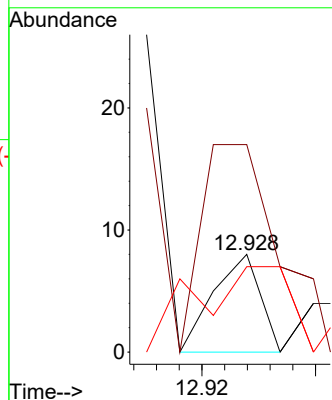
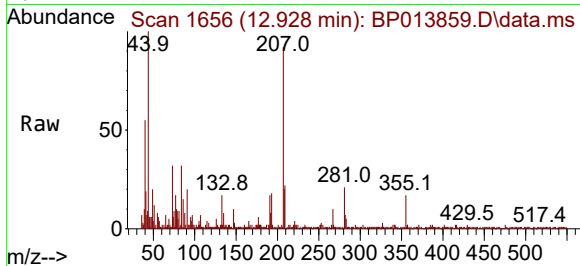




#40
Hexachlorocyclopentadiene
Concen: 0.001 ng/ul
RT: 12.928 min Scan# 1700
Delta R.T. 0.006 min
Lab File: BP013859.D
Acq: 21 Feb 2023 10:03

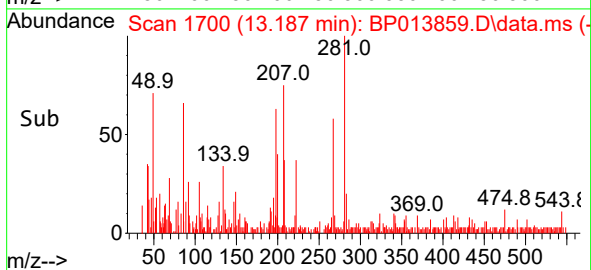
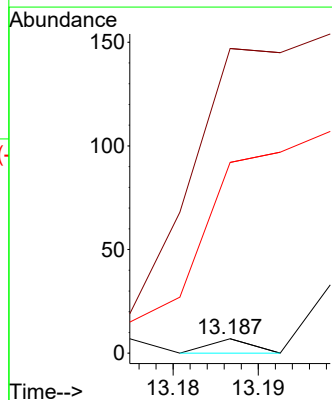
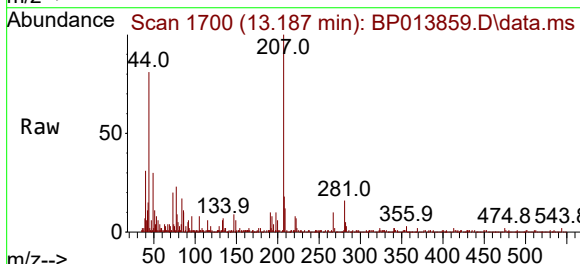
Instrument :
BNA_P
ClientSampleId :
SBLK955

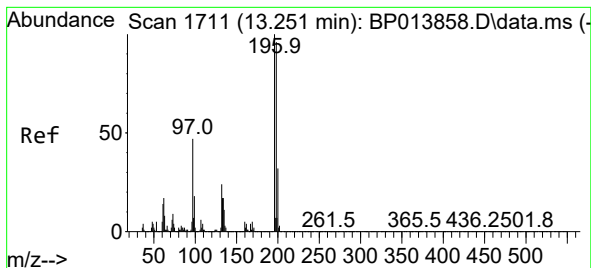
Tgt Ion:237	Resp:	5
Ion	Ratio	Lower Upper
237	100	
235	212.5	49.8 74.8#
272	87.5	10.1 15.1#



#41
2,4,6-Trichlorophenol
Concen: 0.000 ng/ul
RT: 13.187 min Scan# 1700
Delta R.T. 0.006 min
Lab File: BP013859.D
Acq: 21 Feb 2023 10:03

Tgt Ion:196	Resp:	2
Ion	Ratio	Lower Upper
196	100	
198	2100.0	75.1 112.7#
200	1314.3	24.3 36.5#





#42

2,4,5-Trichlorophenol

Concen: 0.001 ng/ul

RT: 13.246 min Scan# 1710

Delta R.T. -0.006 min

Lab File: BP013859.D

Acq: 21 Feb 2023 10:03

Instrument :

BNA_P

ClientSampleId :

SBLK955

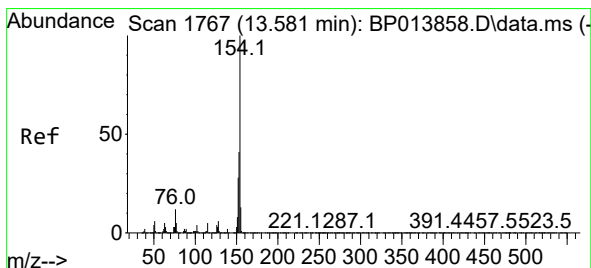
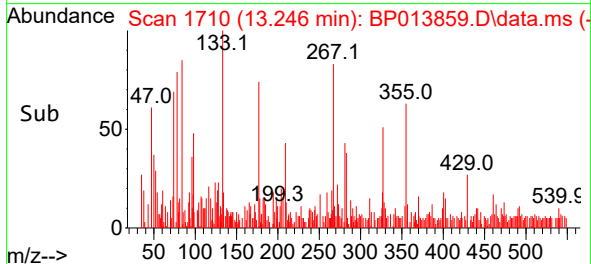
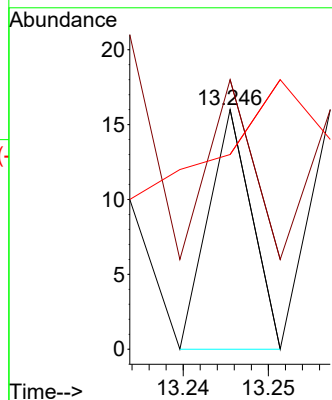
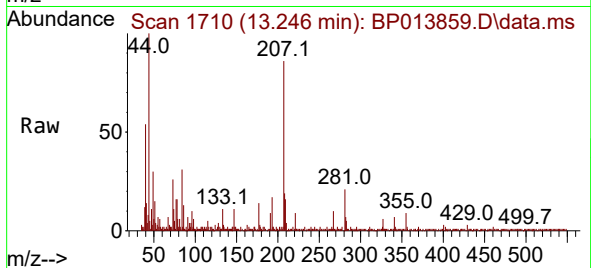
Tgt Ion:196 Resp: 6

Ion Ratio Lower Upper

196 100

198 212.5 77.0 115.4#

200 81.3 25.8 38.6#



#43

1,1'-Biphenyl

Concen: 0.013 ng/ul

RT: 13.581 min Scan# 1767

Delta R.T. -0.000 min

Lab File: BP013859.D

Acq: 21 Feb 2023 10:03

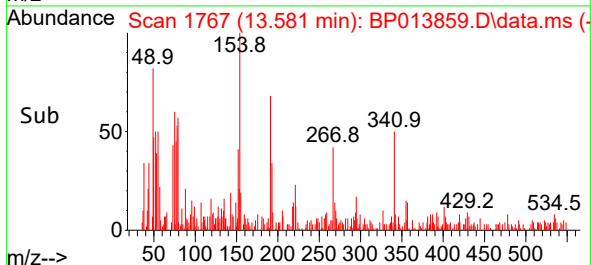
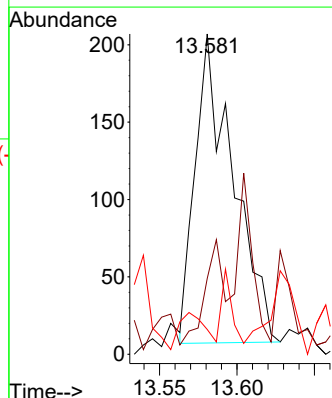
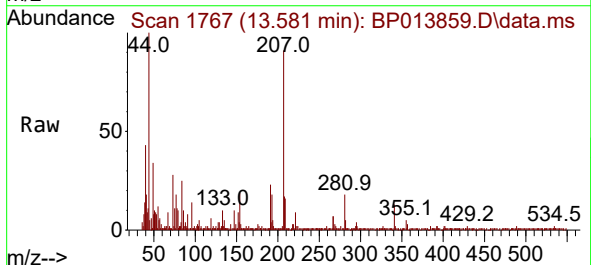
Tgt Ion:154 Resp: 340

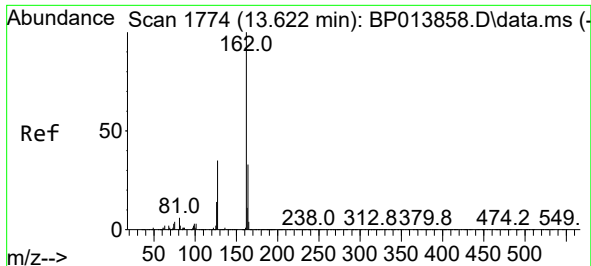
Ion Ratio Lower Upper

154 100

153 23.7 31.9 47.9#

76 7.7 9.9 14.9#

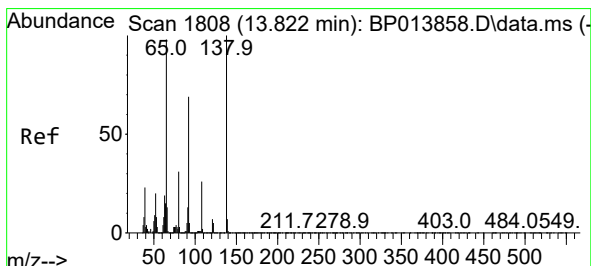
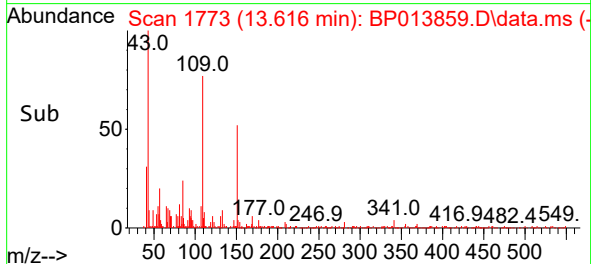
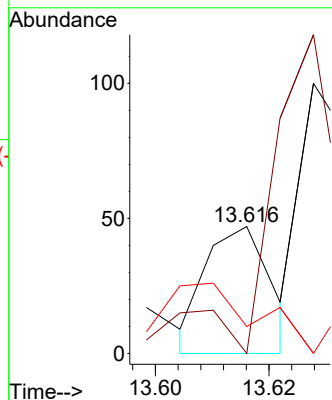
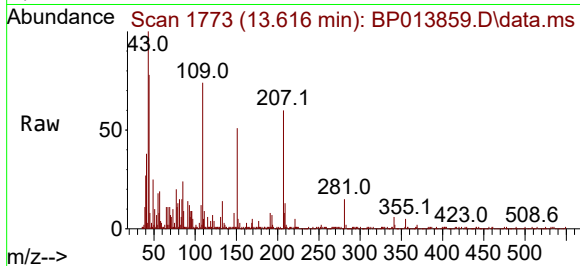




#44
2-Chloronaphthalene
Concen: 0.002 ng/ul
RT: 13.616 min Scan# 1773
Delta R.T. -0.006 min
Lab File: BP013859.D
Acq: 21 Feb 2023 10:03

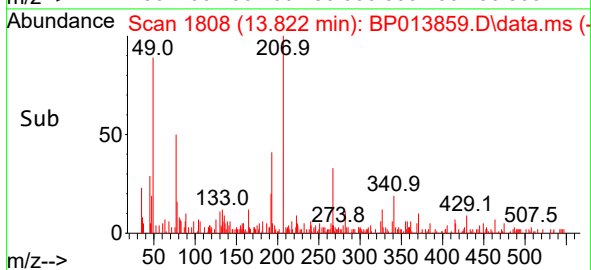
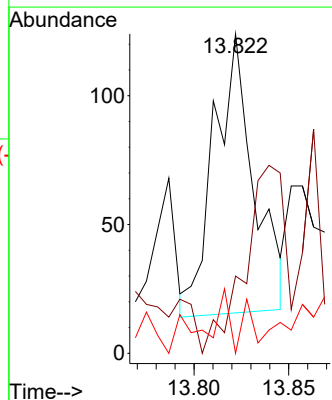
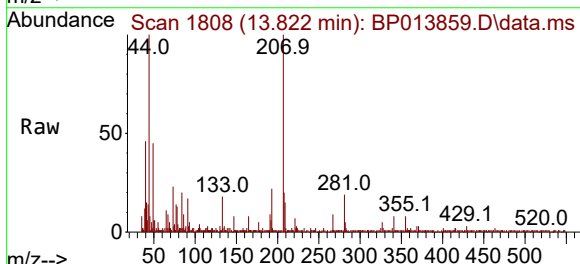
Instrument :
BNA_P
ClientSampleId :
SBLK955

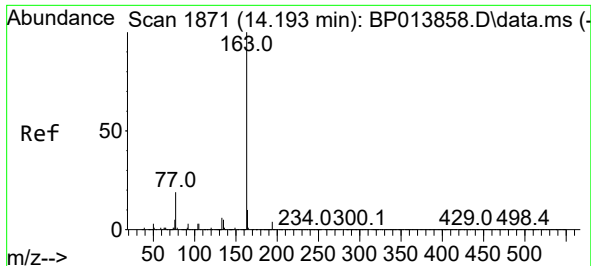
Tgt Ion:162 Resp: 37
Ion Ratio Lower Upper
162 100
164 48.9 26.1 39.1#
127 66.0 31.1 46.7#



#45
2-Nitroaniline
Concen: 0.032 ng/ul
RT: 13.822 min Scan# 1808
Delta R.T. -0.000 min
Lab File: BP013859.D
Acq: 21 Feb 2023 10:03

Tgt Ion: 65 Resp: 158
Ion Ratio Lower Upper
65 100
92 24.2 58.6 88.0#
138 0.0 81.2 121.8#

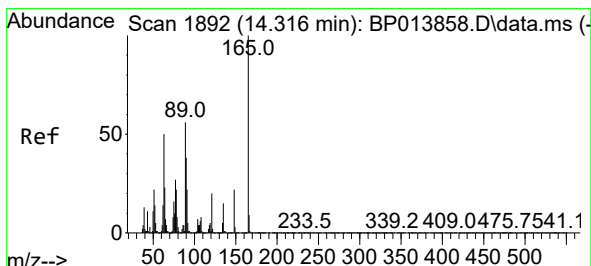
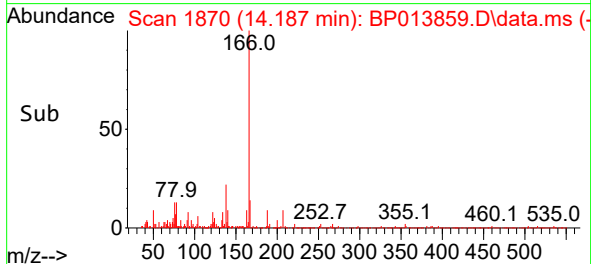
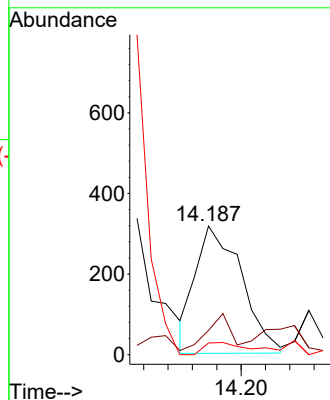
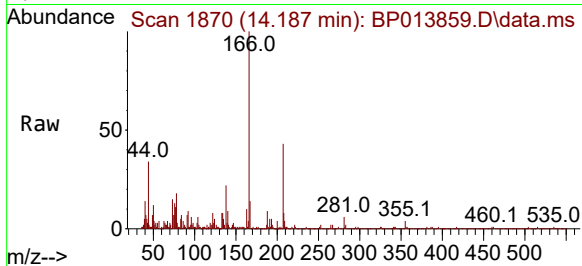




#47
Dimethylphthalate
Concen: 0.015 ng/ul
RT: 14.187 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP013859.D
Acq: 21 Feb 2023 10:03

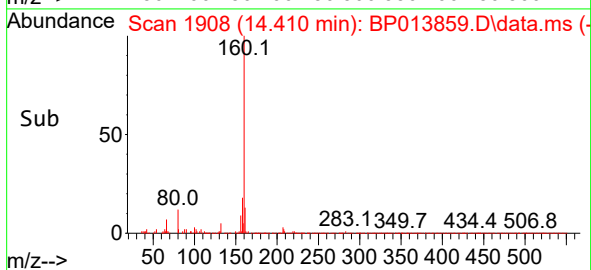
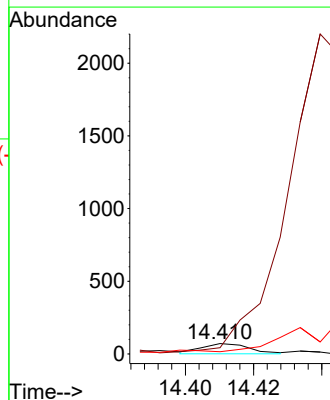
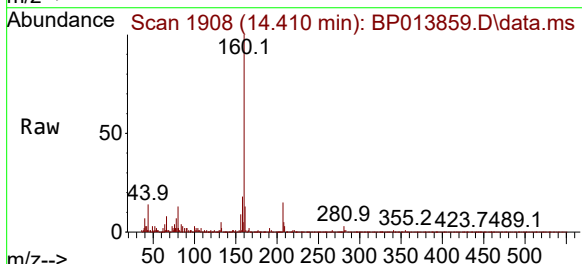
Instrument :
BNA_P
ClientSampleId :
SBLK955

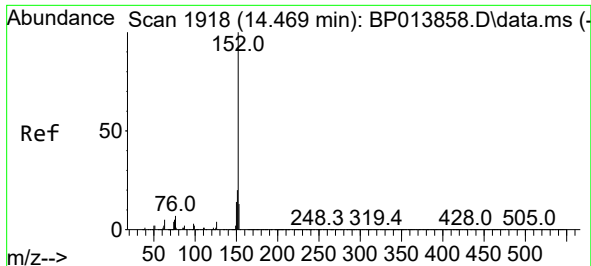
Tgt Ion:163 Resp: 416
Ion Ratio Lower Upper
163 100
194 18.8 3.4 5.2#
164 9.1 7.8 11.8



#48
2,6-Dinitrotoluene
Concen: 0.014 ng/ul
RT: 14.410 min Scan# 1908
Delta R.T. 0.094 min
Lab File: BP013859.D
Acq: 21 Feb 2023 10:03

Tgt Ion:165 Resp: 69
Ion Ratio Lower Upper
165 100
89 59.7 47.5 71.3
121 20.8 16.6 24.8

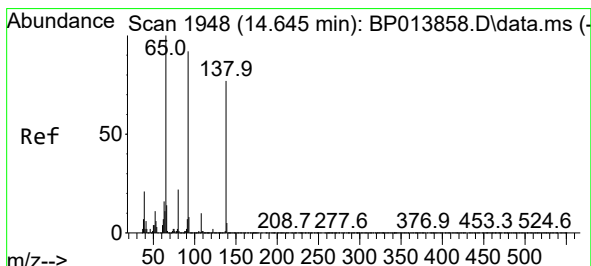
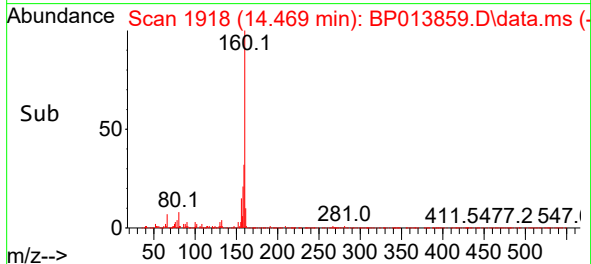
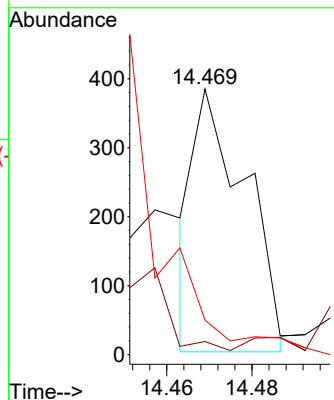
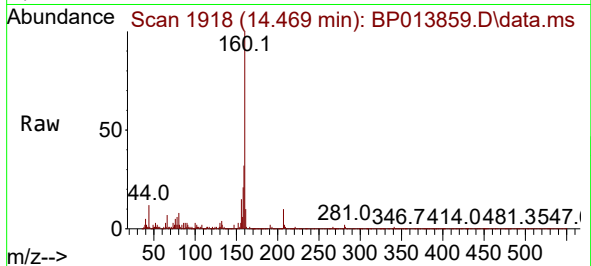




#50
Acenaphthylene
Concen: 0.010 ng/ul
RT: 14.469 min Scan# 1918
Delta R.T. -0.000 min
Lab File: BP013859.D
Acq: 21 Feb 2023 10:03

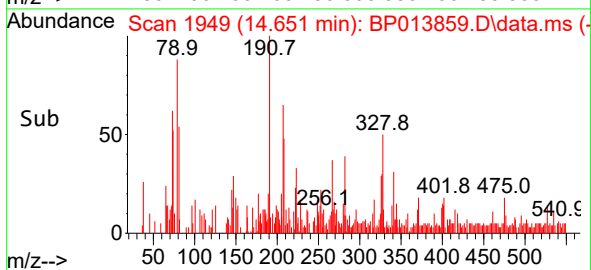
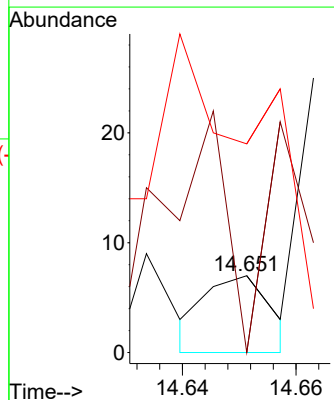
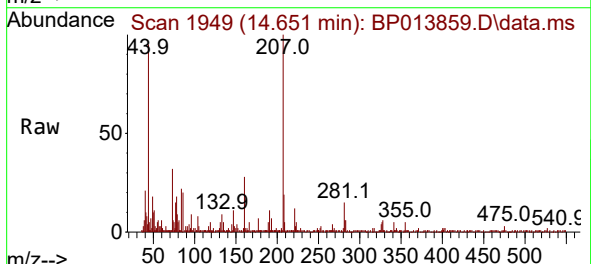
Instrument :
BNA_P
ClientSampleId :
SBLK955

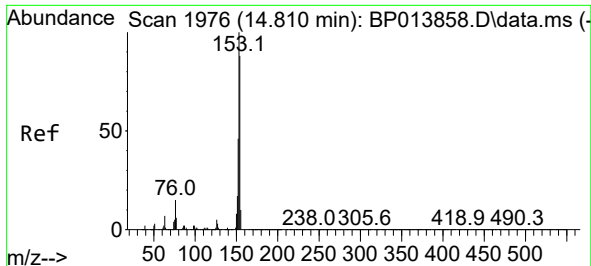
Tgt Ion:152	Resp:	318
Ion Ratio	Lower	Upper
152	100	
151	4.9	15.8 23.6#
153	13.0	10.4 15.6



#51
3-Nitroaniline
Concen: 0.001 ng/ul
RT: 14.651 min Scan# 1949
Delta R.T. 0.006 min
Lab File: BP013859.D
Acq: 21 Feb 2023 10:03

Tgt Ion:138	Resp:	6
Ion Ratio	Lower	Upper
138	100	
108	185.7	9.4 14.2#
92	271.4	97.4 146.0#

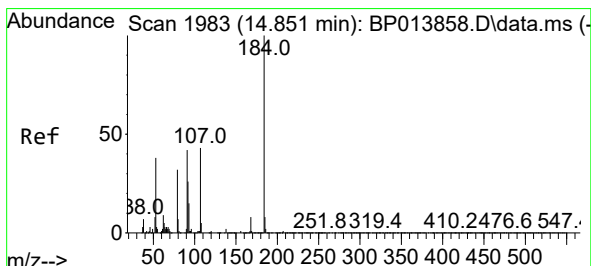
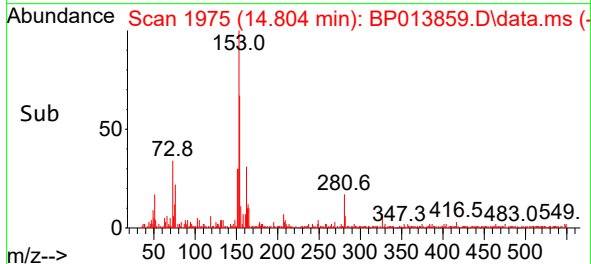
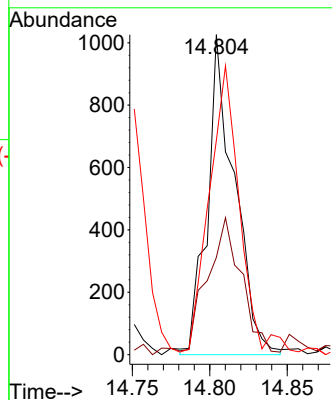
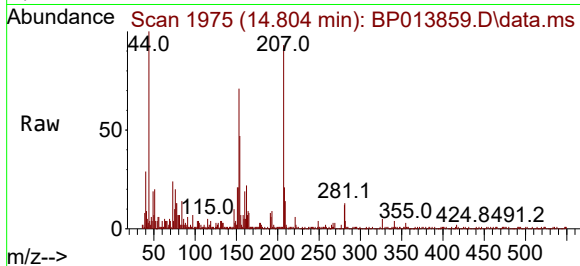




#52
Acenaphthene
Concen: 0.055 ng/ul
RT: 14.804 min Scan# 1975
Delta R.T. -0.006 min
Lab File: BP013859.D
Acq: 21 Feb 2023 10:03

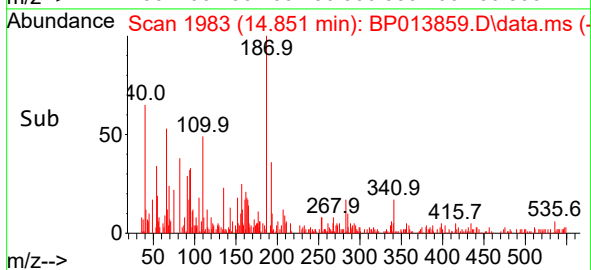
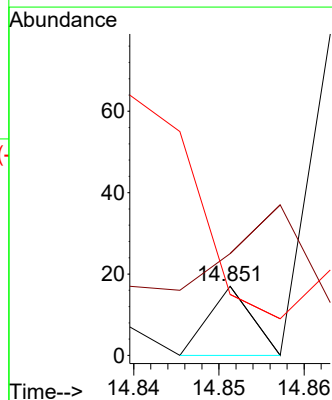
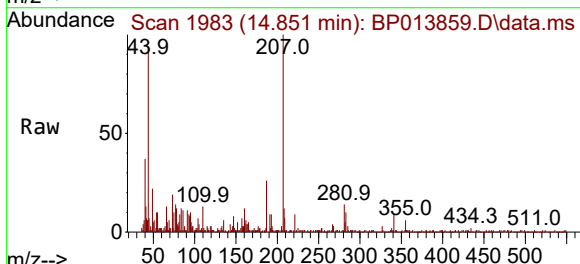
Instrument :
BNA_P
ClientSampleId :
SBLK955

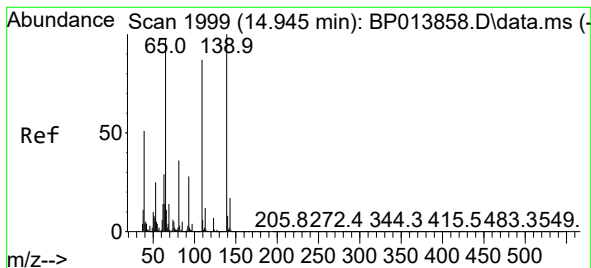
Tgt Ion:153 Resp: 1249
Ion Ratio Lower Upper
153 100
152 30.4 37.4 56.0#
154 67.0 70.1 105.1#



#53
2,4-Dinitrophenol
Concen: 0.002 ng/ul
RT: 14.851 min Scan# 1983
Delta R.T. -0.000 min
Lab File: BP013859.D
Acq: 21 Feb 2023 10:03

Tgt Ion:184 Resp: 6
Ion Ratio Lower Upper
184 100
63 147.1 49.5 74.3#
154 88.2 54.3 81.5#

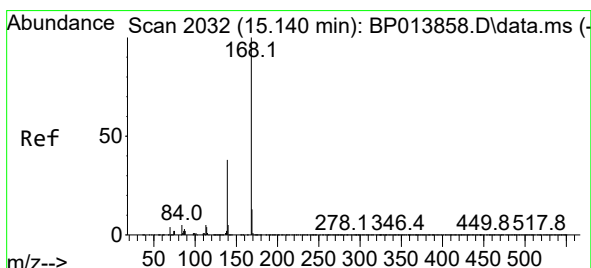
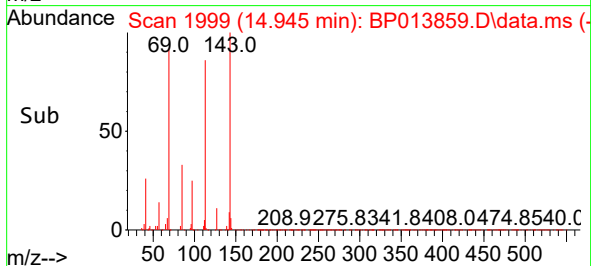
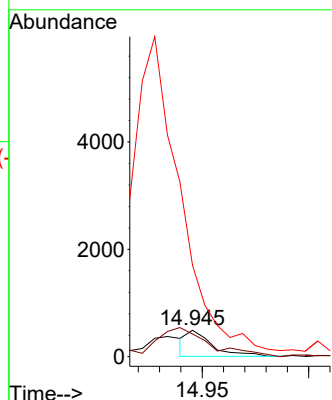
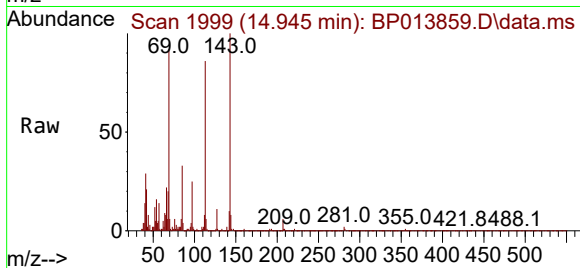




#55
4-Nitrophenol
Concen: 0.092 ng/ul
RT: 14.945 min Scan# 1999
Delta R.T. -0.000 min
Lab File: BP013859.D
Acq: 21 Feb 2023 10:03

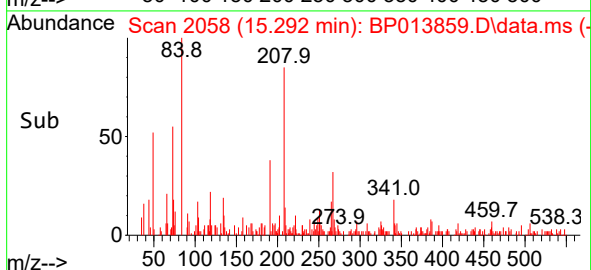
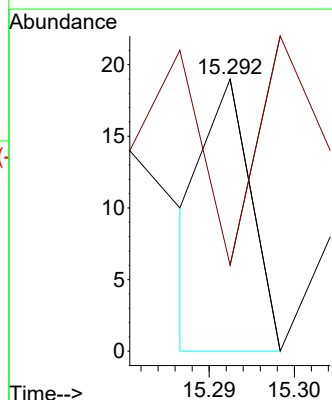
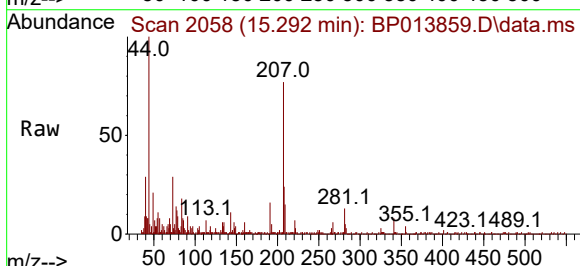
Instrument :
BNA_P
ClientSampleId :
SBLK955

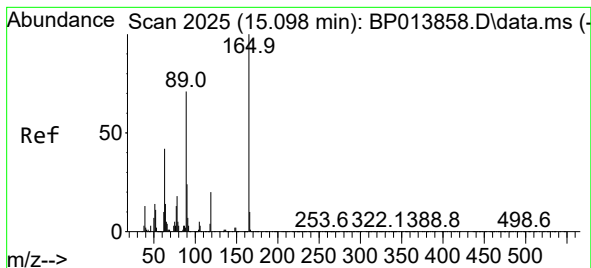
Tgt Ion:109 Resp: 397
Ion Ratio Lower Upper
109 100
139 85.8 96.0 144.0#
65 345.9 95.8 143.6#



#56
Dibenzofuran
Concen: 0.000 ng/ul
RT: 15.292 min Scan# 2058
Delta R.T. 0.153 min
Lab File: BP013859.D
Acq: 21 Feb 2023 10:03

Tgt Ion:168 Resp: 7
Ion Ratio Lower Upper
168 100
139 31.6 29.6 44.4





#57

2,4-Dinitrotoluene

Concen: 0.051 ng/ul

RT: 15.104 min Scan# 2025

Delta R.T. 0.006 min

Lab File: BP013859.D

Acq: 21 Feb 2023 10:03

Instrument :

BNA_P

ClientSampleId :

SBLK955

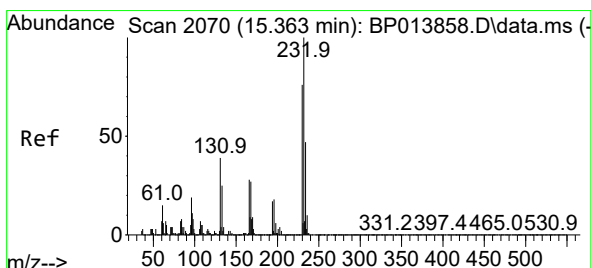
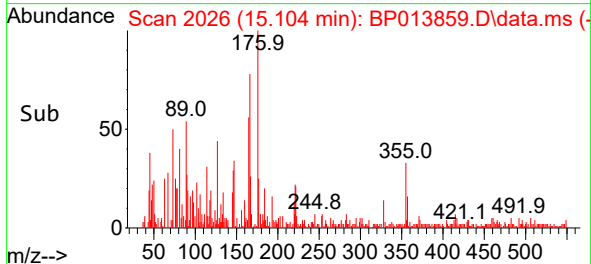
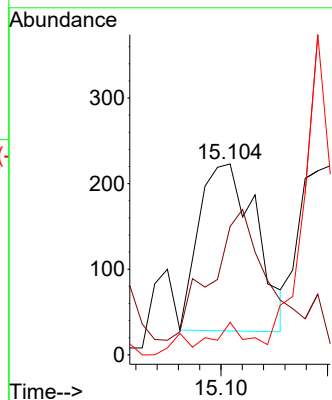
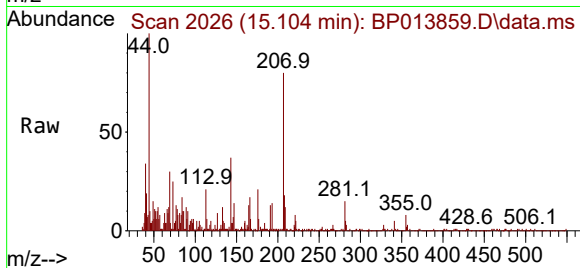
Tgt Ion:165 Resp: 365

Ion Ratio Lower Upper

165 100

63 67.3 32.0 48.0#

182 17.0 2.4 3.6#



#58

2,3,4,6-Tetrachlorophenol

Concen: 0.020 ng/ul

RT: 15.369 min Scan# 2071

Delta R.T. 0.006 min

Lab File: BP013859.D

Acq: 21 Feb 2023 10:03

Tgt Ion:232 Resp: 145

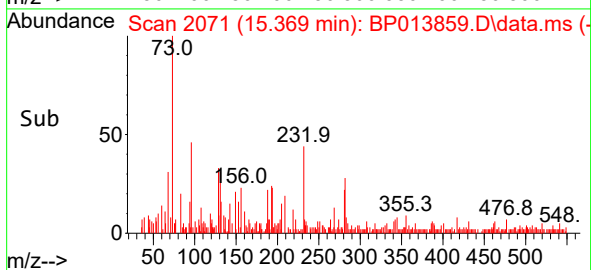
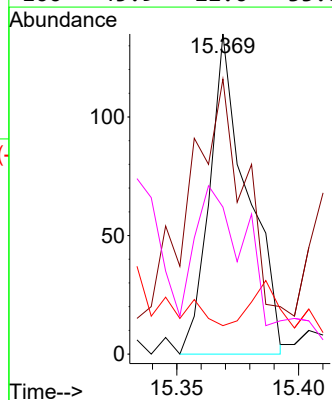
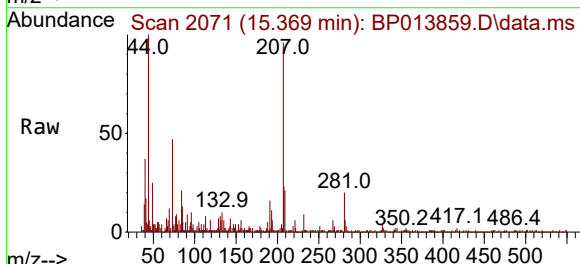
Ion Ratio Lower Upper

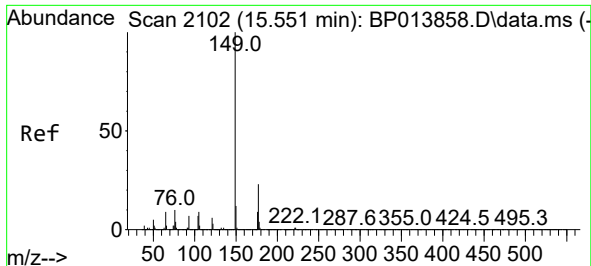
232 100

131 85.9 33.0 49.6#

130 8.9 1.5 2.3#

166 45.9 22.6 33.8#

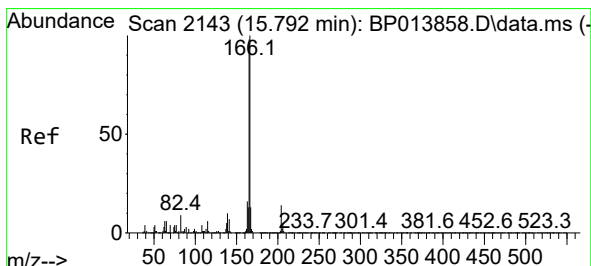
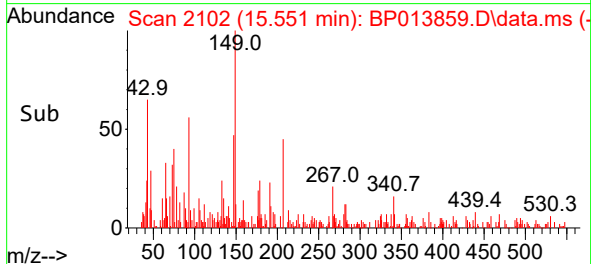
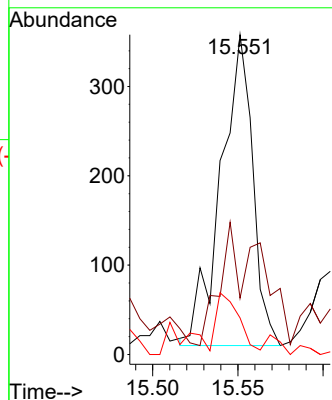
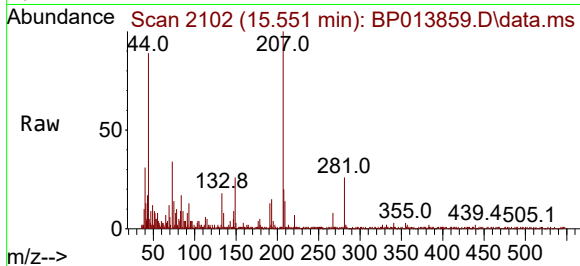




#59
Diethylphthalate
Concen: 0.016 ng/ul
RT: 15.551 min Scan# 2102
Delta R.T. -0.000 min
Lab File: BP013859.D
Acq: 21 Feb 2023 10:03

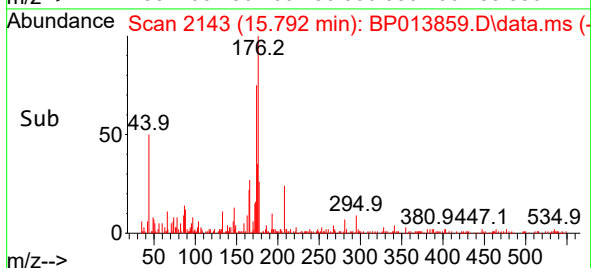
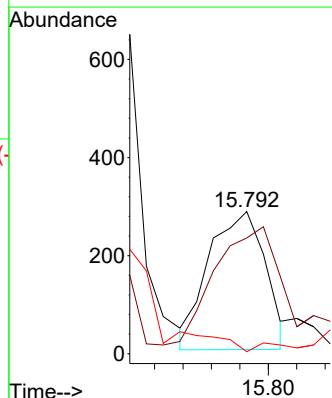
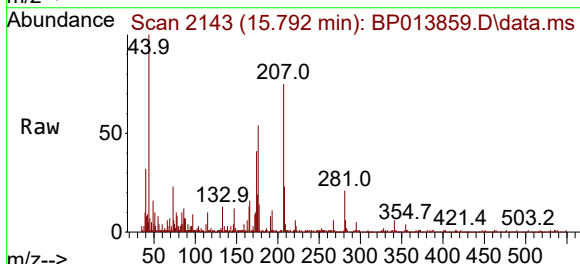
Instrument :
BNA_P
ClientSampleId :
SBLK955

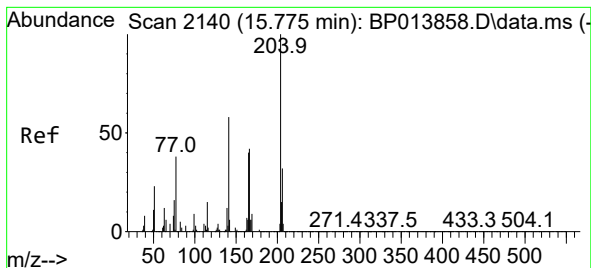
Tgt Ion:149 Resp: 452
Ion Ratio Lower Upper
149 100
177 17.6 17.8 26.8#
150 11.5 10.1 15.1



#61
Fluorene
Concen: 0.015 ng/ul
RT: 15.792 min Scan# 2143
Delta R.T. -0.000 min
Lab File: BP013859.D
Acq: 21 Feb 2023 10:03

Tgt Ion:166 Resp: 390
Ion Ratio Lower Upper
166 100
165 81.4 79.1 118.7
167 1.4 10.8 16.2#

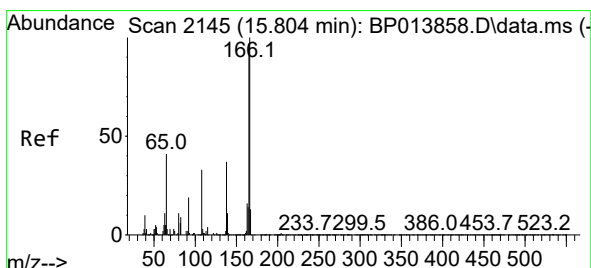
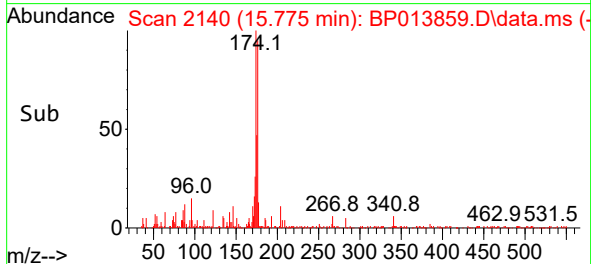
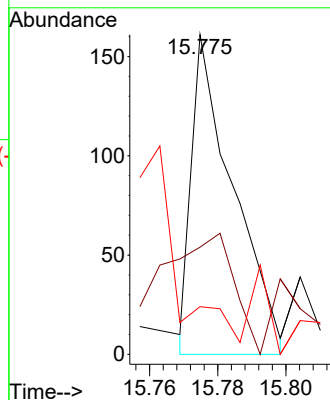
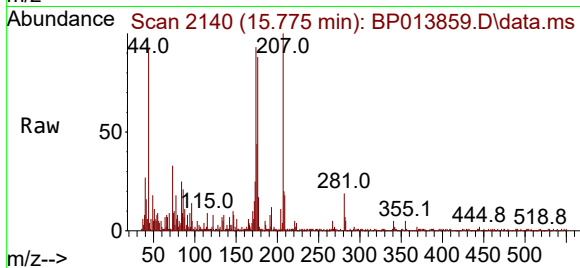




#62
4-Chlorophenyl-phenylether
Concen: 0.010 ng/ul
RT: 15.775 min Scan# 2140
Delta R.T. -0.000 min
Lab File: BP013859.D
Acq: 21 Feb 2023 10:03

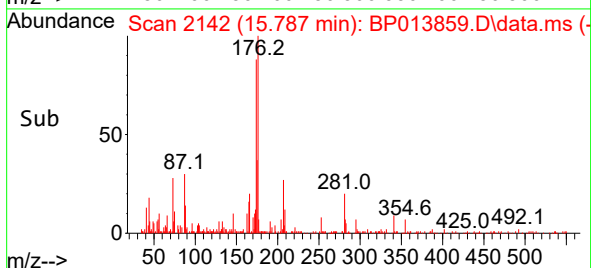
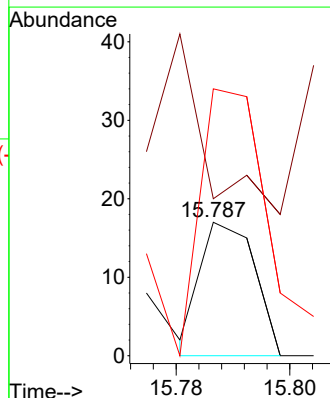
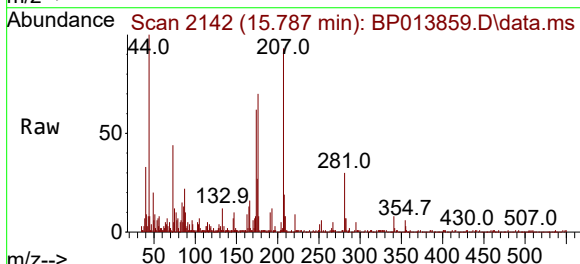
Instrument :
BNA_P
ClientSampleId :
SBLK955

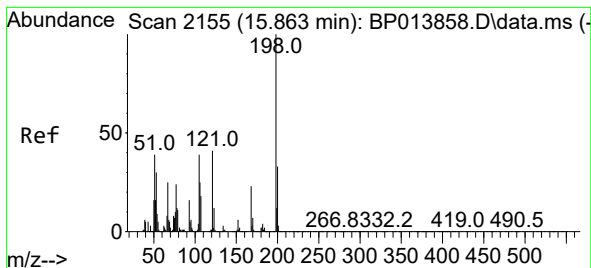
Tgt Ion:204 Resp: 137
Ion Ratio Lower Upper
204 100
206 30.5 26.7 40.1
141 13.6 44.6 66.8#



#63
4-Nitroaniline
Concen: 0.002 ng/ul
RT: 15.787 min Scan# 2142
Delta R.T. -0.018 min
Lab File: BP013859.D
Acq: 21 Feb 2023 10:03

Tgt Ion:138 Resp: 11
Ion Ratio Lower Upper
138 100
92 117.6 43.8 65.8#
108 200.0 69.8 104.6#

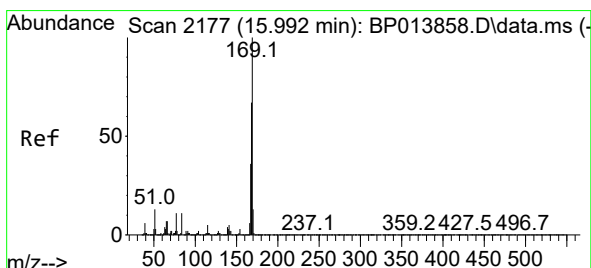
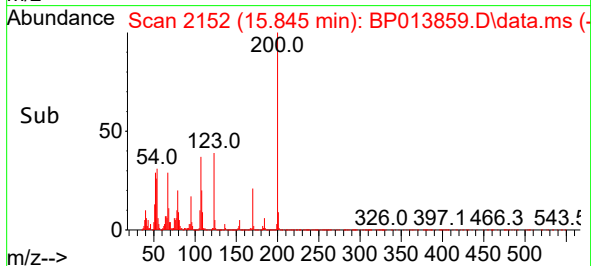
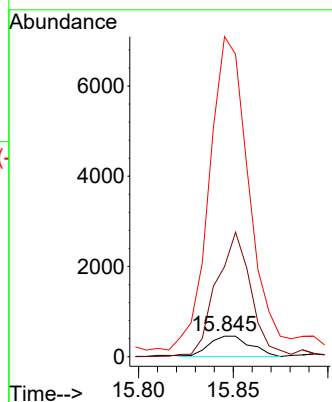
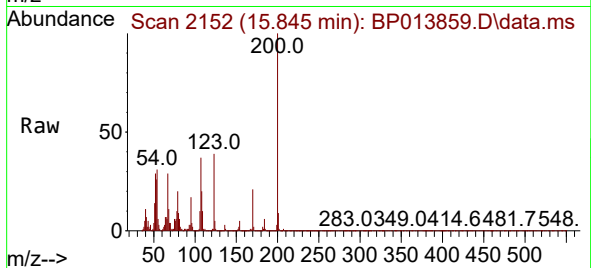




#66
4,6-Dinitro-2-methylphenol
Concen: 0.140 ng/ul
RT: 15.845 min Scan# 2152
Delta R.T. -0.018 min
Lab File: BP013859.D
Acq: 21 Feb 2023 10:03

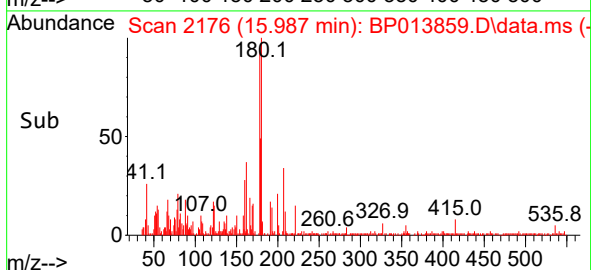
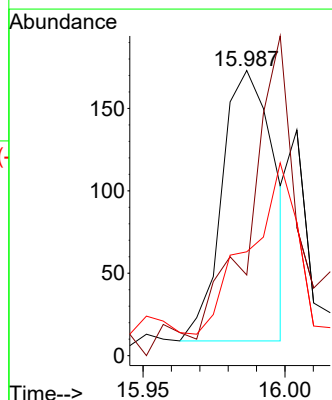
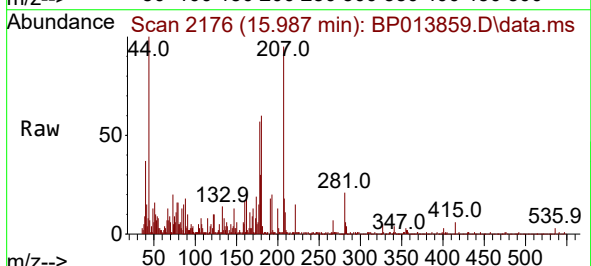
Instrument :
BNA_P
ClientSampleId :
SBLK955

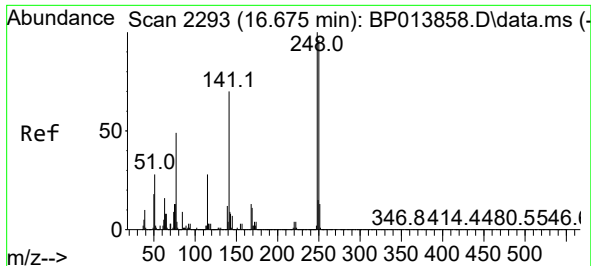
Tgt Ion:198 Resp: 696
Ion Ratio Lower Upper
198 100
182 439.3 4.1 6.1#
77 1559.3 20.3 30.5#



#67
N-Nitrosodiphenylamine
Concen: 0.009 ng/ul
RT: 15.987 min Scan# 2176
Delta R.T. -0.006 min
Lab File: BP013859.D
Acq: 21 Feb 2023 10:03

Tgt Ion:169 Resp: 211
Ion Ratio Lower Upper
169 100
168 28.3 53.5 80.3#
167 36.4 29.8 44.6

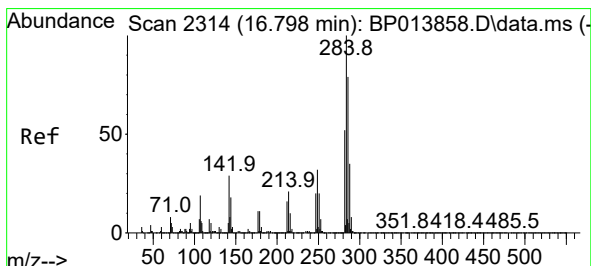
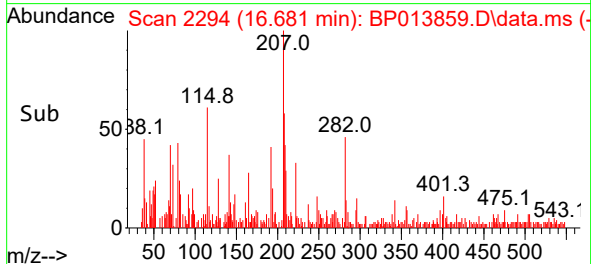
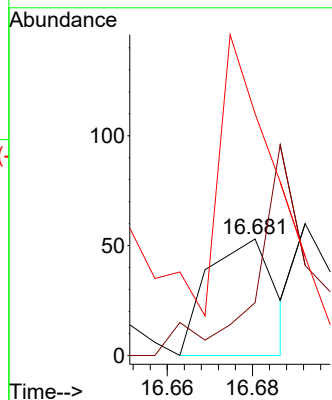
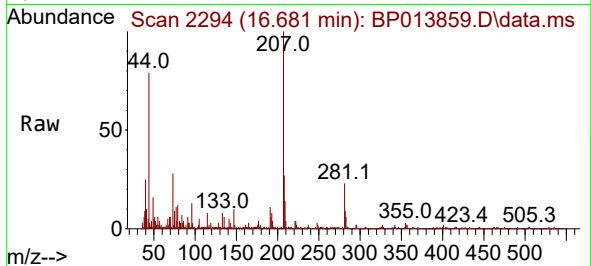




#68
4-Bromophenyl-phenylether
Concen: 0.007 ng/ul
RT: 16.681 min Scan# 211
Delta R.T. 0.006 min
Lab File: BP013859.D
Acq: 21 Feb 2023 10:03

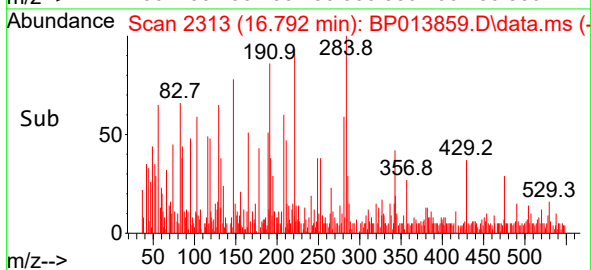
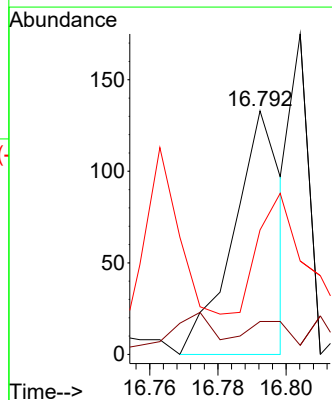
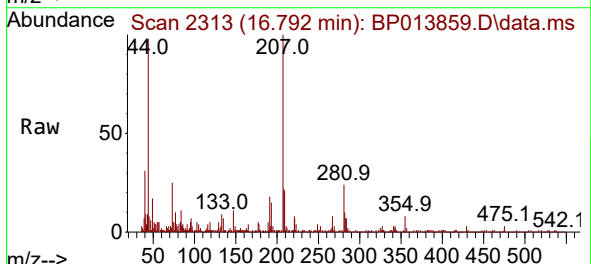
Instrument :
BNA_P
ClientSampleId :
SBLK955

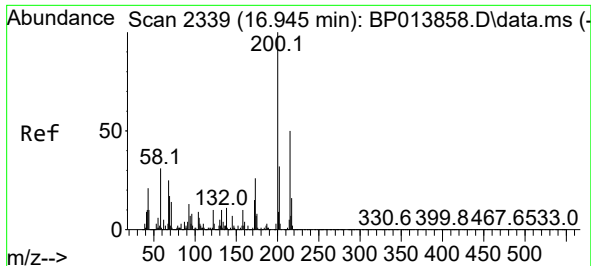
Tgt Ion:248 Resp: 58
Ion Ratio Lower Upper
248 100
250 34.5 76.0 114.0#
141 126.4 56.0 84.0#



#69
Hexachlorobenzene
Concen: 0.013 ng/ul
RT: 16.792 min Scan# 2313
Delta R.T. -0.006 min
Lab File: BP013859.D
Acq: 21 Feb 2023 10:03

Tgt Ion:284 Resp: 130
Ion Ratio Lower Upper
284 100
142 13.5 25.0 37.4#
249 51.1 24.9 37.3#

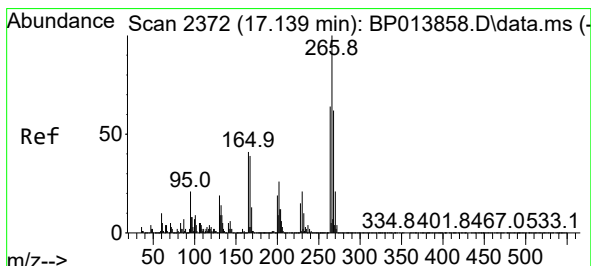
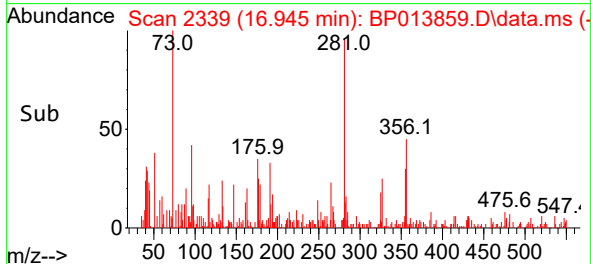
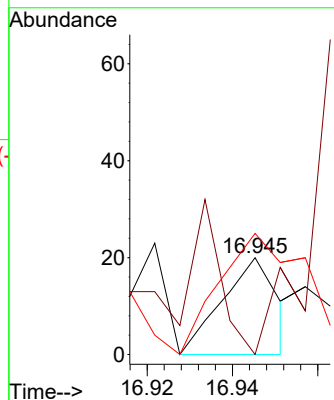
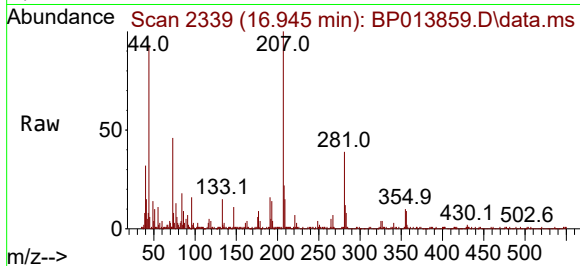




#70
Atrazine
Concen: 0.002 ng/ul
RT: 16.945 min Scan# 21
Delta R.T. -0.000 min
Lab File: BP013859.D
Acq: 21 Feb 2023 10:03

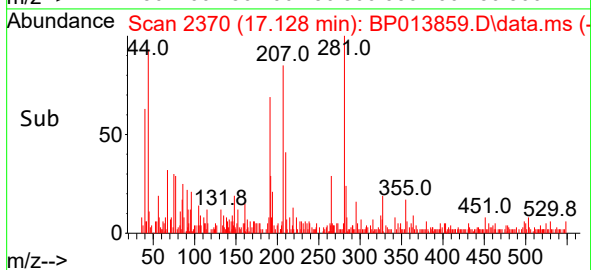
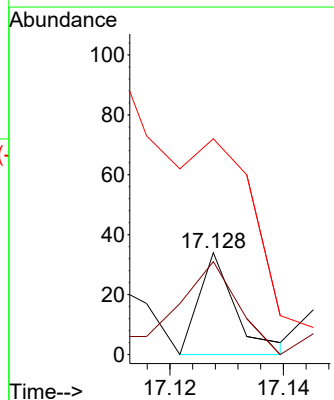
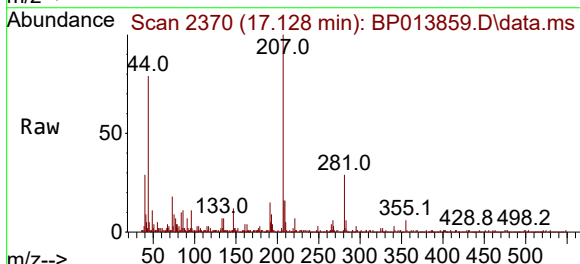
Instrument :
BNA_P
ClientSampleId :
SBLK955

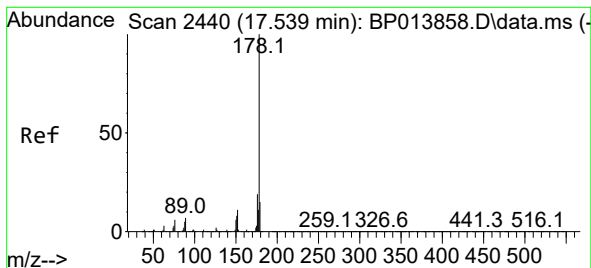
Tgt Ion:200 Resp: 18
Ion Ratio Lower Upper
200 100
173 0.0 20.4 30.6#
215 125.0 39.3 58.9#



#71
Pentachlorophenol
Concen: 0.002 ng/ul
RT: 17.128 min Scan# 2370
Delta R.T. -0.012 min
Lab File: BP013859.D
Acq: 21 Feb 2023 10:03

Tgt Ion:266 Resp: 16
Ion Ratio Lower Upper
266 100
264 91.2 50.5 75.7#
268 264.7 51.0 76.6#





#72

Phenanthrene

Concen: 0.021 ng/ul

RT: 17.545 min Scan# 2441

Delta R.T. 0.006 min

Lab File: BP013859.D

Acq: 21 Feb 2023 10:03

Instrument :

BNA_P

ClientSampleId :

SBLK955

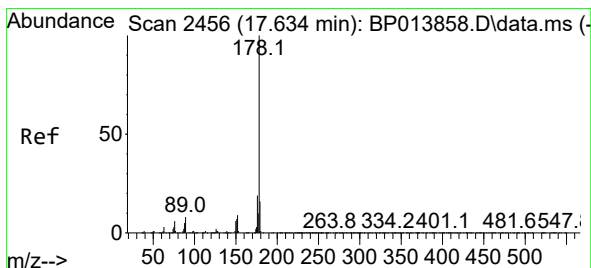
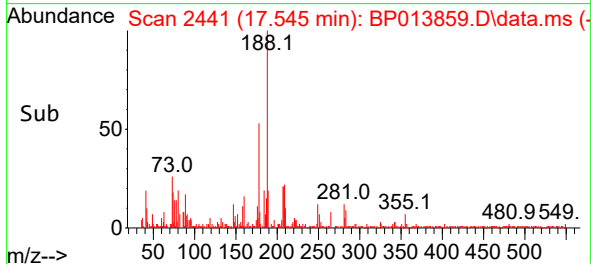
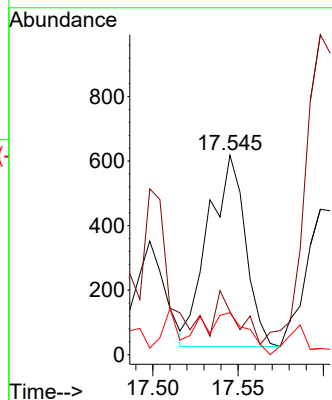
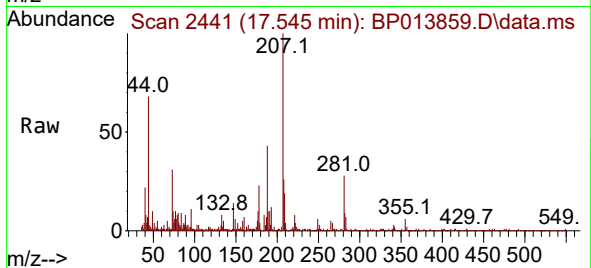
Tgt Ion:178 Resp: 900

Ion Ratio Lower Upper

178 100

179 21.5 12.2 18.2#

176 21.0 15.2 22.8



#74

Anthracene

Concen: 0.014 ng/ul

RT: 17.628 min Scan# 2455

Delta R.T. -0.006 min

Lab File: BP013859.D

Acq: 21 Feb 2023 10:03

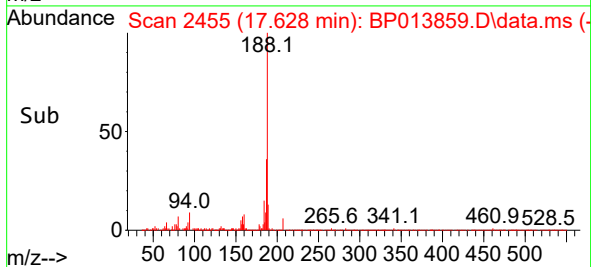
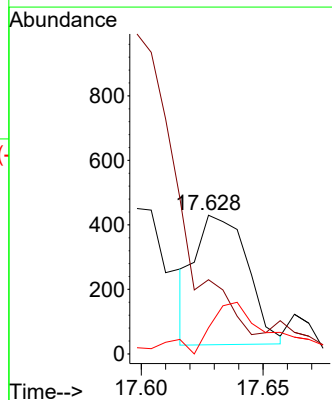
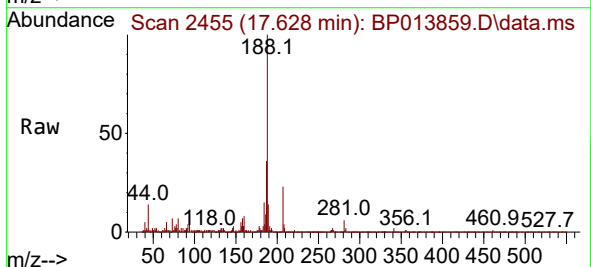
Tgt Ion:178 Resp: 597

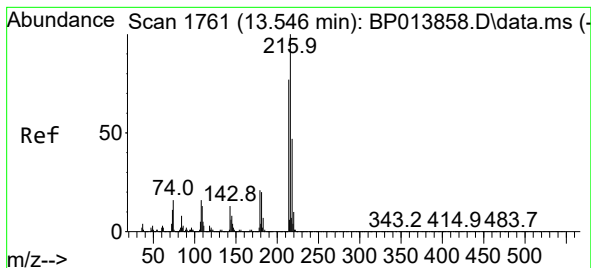
Ion Ratio Lower Upper

178 100

179 53.5 12.2 18.4#

176 18.8 15.0 22.4

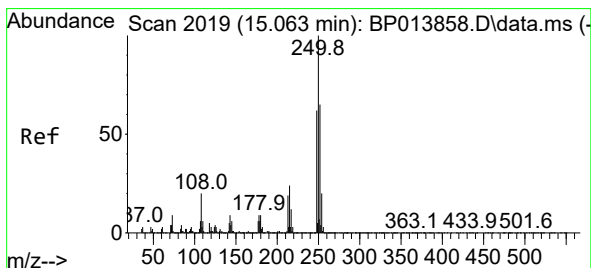
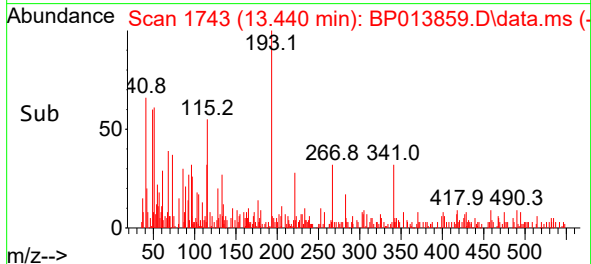
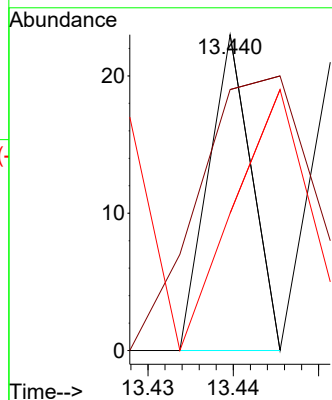
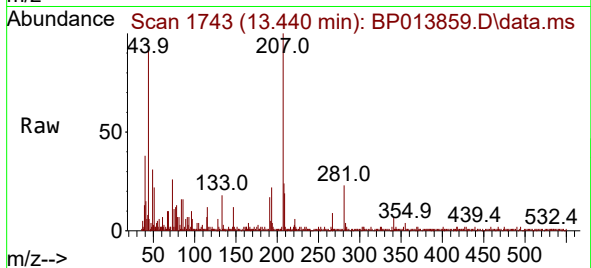




#75
1,2,3,4-Tetrachlorobenzene
Concen: 0.001 ng/uL
RT: 13.440 min Scan# 11
Delta R.T. -0.106 min
Lab File: BP013859.D
Acq: 21 Feb 2023 10:03

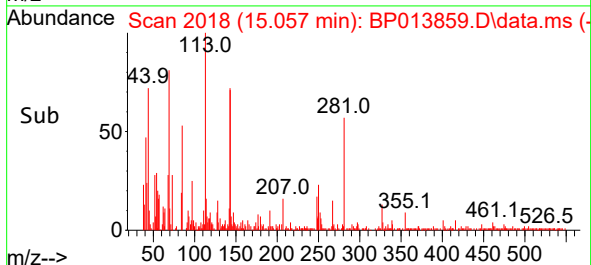
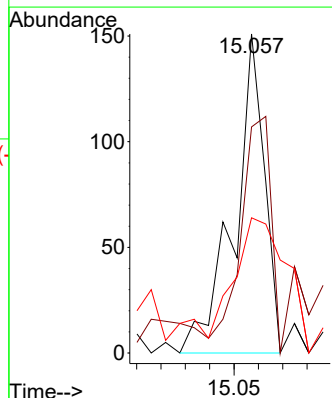
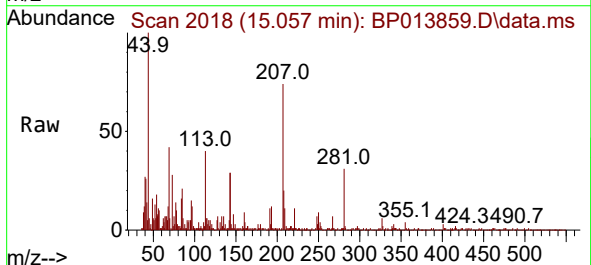
Instrument :
BNA_P
ClientSampleId :
SBLK955

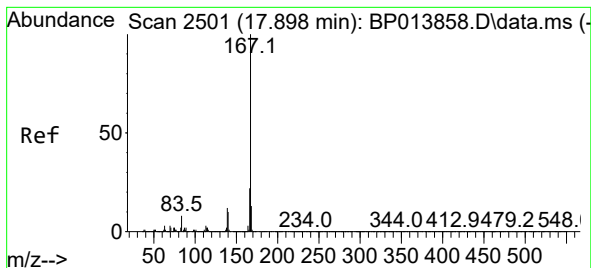
Tgt Ion:216	Resp:	8	
Ion	Ratio	Lower	Upper
216	100		
214	82.6	62.6	94.0
218	43.5	39.0	58.4



#76
Pentachlorobenzene
Concen: 0.011 ng/uL
RT: 15.057 min Scan# 2018
Delta R.T. -0.006 min
Lab File: BP013859.D
Acq: 21 Feb 2023 10:03

Tgt Ion:250	Resp:	129	
Ion	Ratio	Lower	Upper
250	100		
248	70.9	51.1	76.7
252	42.4	51.0	76.6#





#77

Carbazole

Concen: 0.013 ng/ul

RT: 17.904 min Scan# 2502

Delta R.T. 0.006 min

Lab File: BP013859.D

Acq: 21 Feb 2023 10:03

Instrument :

BNA_P

ClientSampleId :

SBLK955

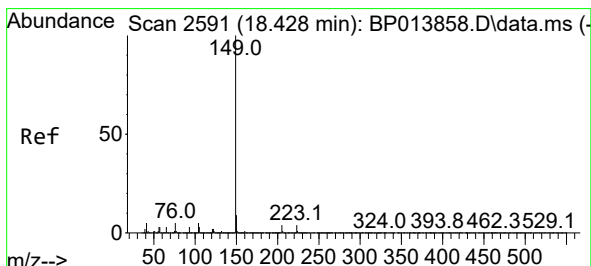
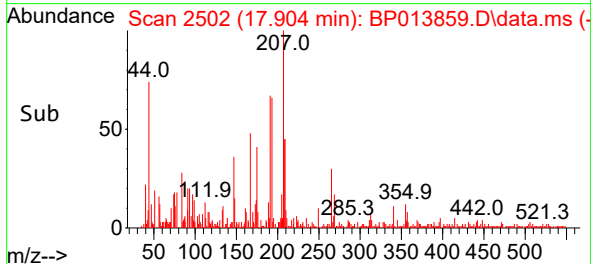
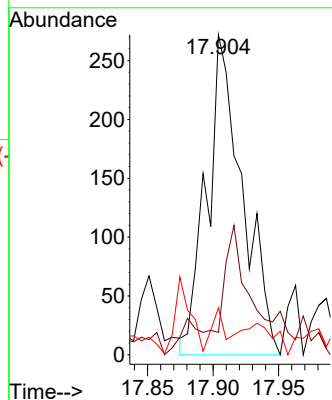
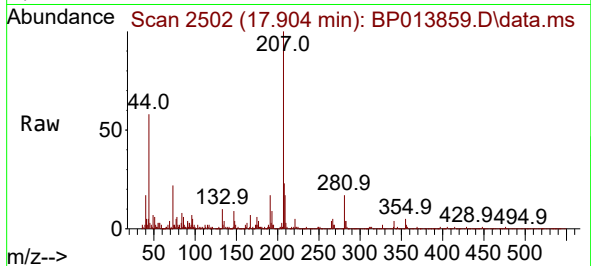
Tgt Ion:167 Resp: 513

Ion Ratio Lower Upper

167 100

166 7.0 17.3 25.9#

139 14.7 10.4 15.6



#78

Di-n-butylphthalate

Concen: 0.016 ng/ul

RT: 18.433 min Scan# 2592

Delta R.T. 0.006 min

Lab File: BP013859.D

Acq: 21 Feb 2023 10:03

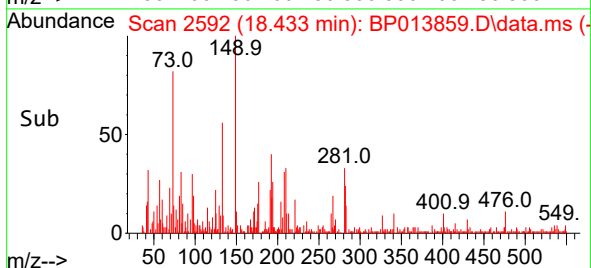
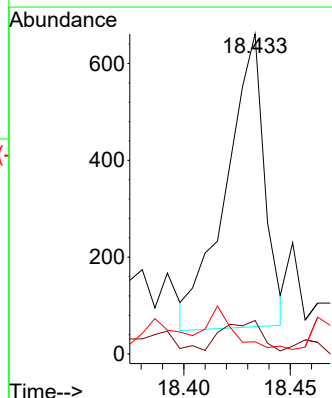
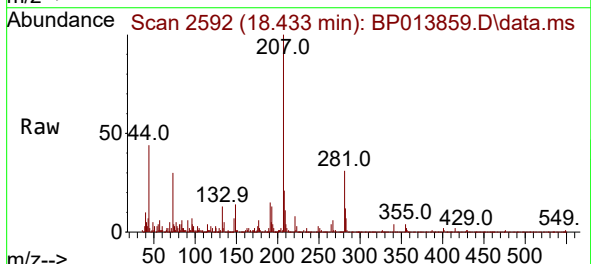
Tgt Ion:149 Resp: 758

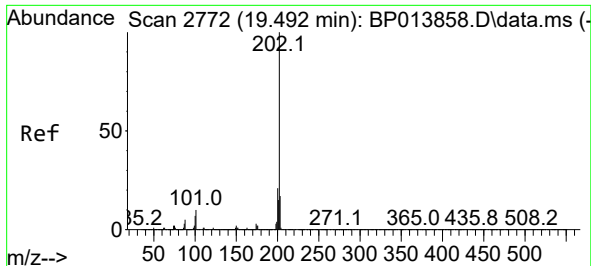
Ion Ratio Lower Upper

149 100

150 10.4 7.1 10.7

104 3.8 4.1 6.1#

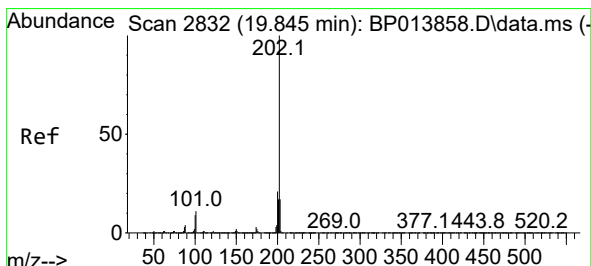
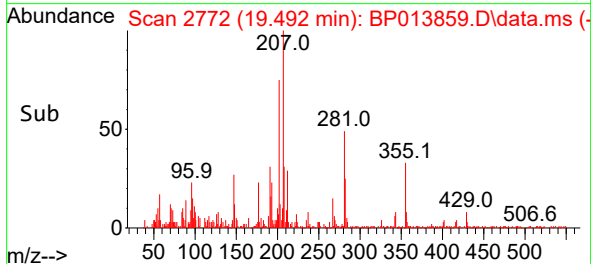
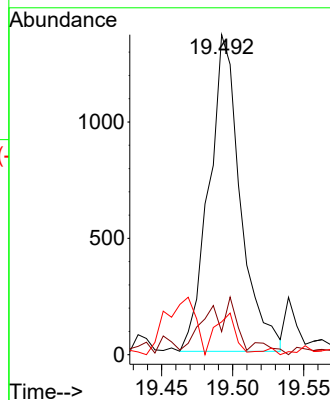
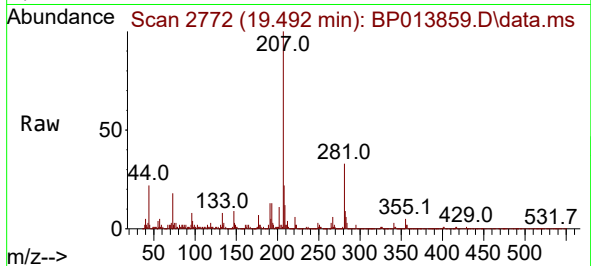




#80
Fluoranthene
Concen: 0.043 ng/ul
RT: 19.492 min Scan# 21
Delta R.T. -0.000 min
Lab File: BP013859.D
Acq: 21 Feb 2023 10:03

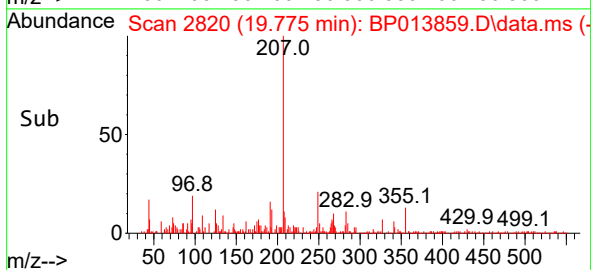
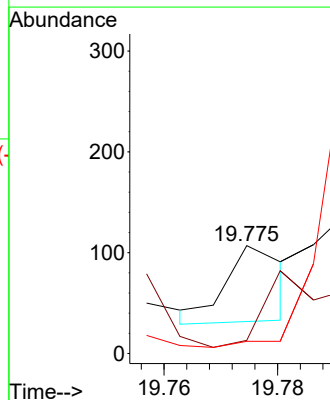
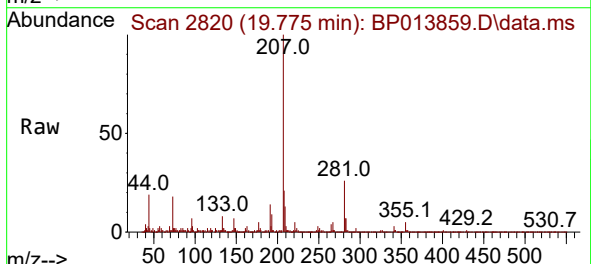
Instrument :
BNA_P
ClientSampleId :
SBLK955

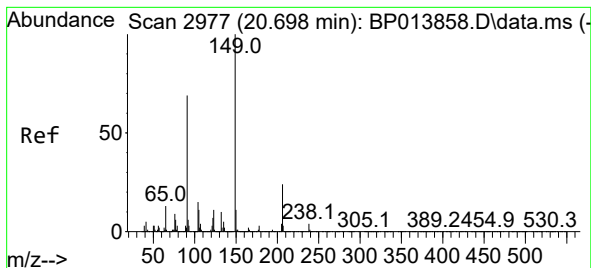
Tgt Ion:202 Resp: 2092
Ion Ratio Lower Upper
202 100
101 7.2 8.6 12.8#
100 10.3 6.3 9.5#



#82
Pyrene
Concen: 0.001 ng/ul
RT: 19.775 min Scan# 2820
Delta R.T. -0.071 min
Lab File: BP013859.D
Acq: 21 Feb 2023 10:03

Tgt Ion:202 Resp: 54
Ion Ratio Lower Upper
202 100
101 12.1 10.3 15.5
100 11.2 8.5 12.7





#83

Butylbenzylphthalate

Concen: 0.007 ng/ul

RT: 20.692 min Scan# 2976

Delta R.T. -0.006 min

Lab File: BP013859.D

Acq: 21 Feb 2023 10:03

Instrument :

BNA_P

ClientSampleId :

SBLK955

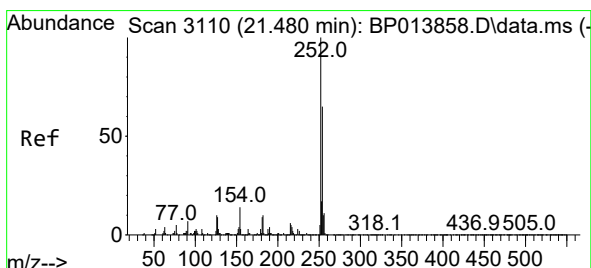
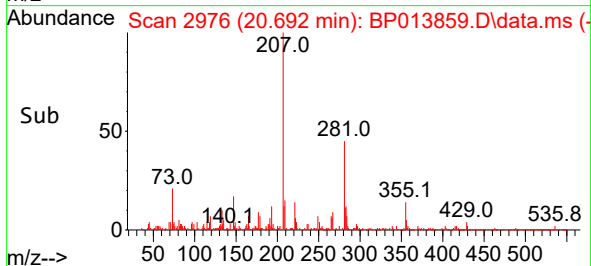
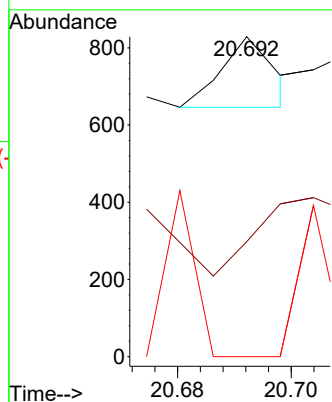
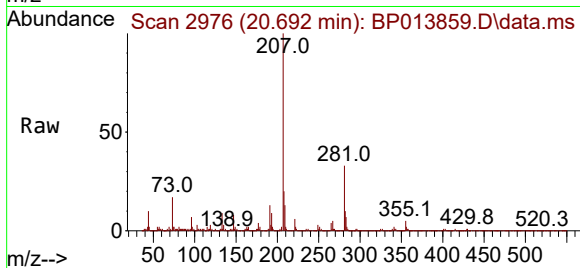
Tgt Ion:149 Resp: 119

Ion Ratio Lower Upper

149 100

91 35.9 57.7 86.5#

206 0.0 16.7 25.1#



#84

3,3'-Dichlorobenzidine

Concen: 0.025 ng/ul

RT: 21.486 min Scan# 3111

Delta R.T. 0.006 min

Lab File: BP013859.D

Acq: 21 Feb 2023 10:03

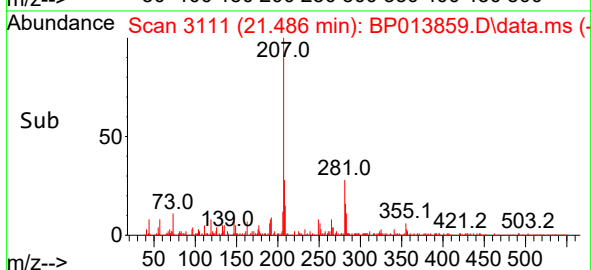
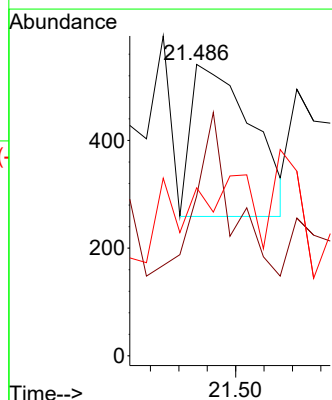
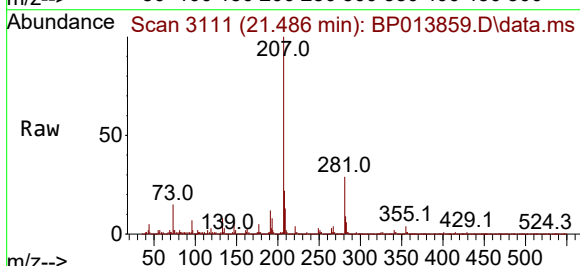
Tgt Ion:252 Resp: 420

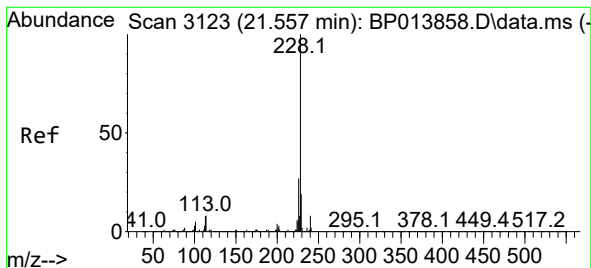
Ion Ratio Lower Upper

252 100

254 54.9 51.8 77.6

126 57.7 7.9 11.9#





#85

Benzo(a)anthracene

Concen: 0.078 ng/ul

RT: 21.574 min Scan# 3126

Delta R.T. 0.018 min

Lab File: BP013859.D

Acq: 21 Feb 2023 10:03

Instrument :

BNA_P

ClientSampleId :

SBLK955

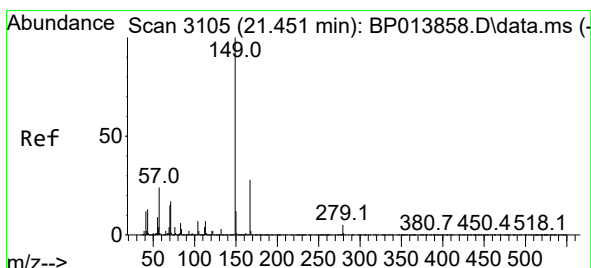
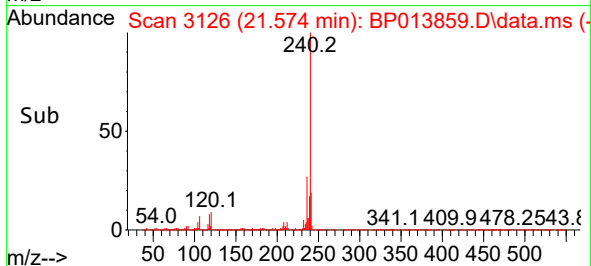
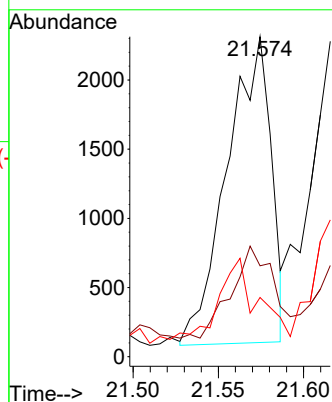
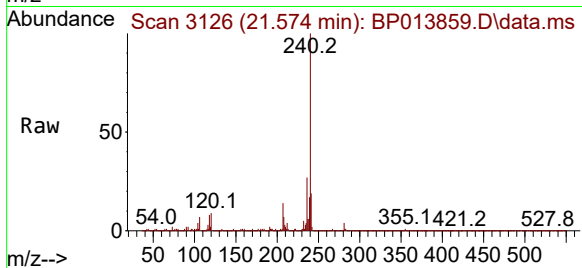
Tgt Ion:228 Resp: 3996

Ion Ratio Lower Upper

228 100

229 28.4 15.4 23.2#

226 18.5 21.8 32.6#



#86

Bis(2-ethylhexyl)phthalate

Concen: 0.282 ng/ul

RT: 21.457 min Scan# 3106

Delta R.T. 0.006 min

Lab File: BP013859.D

Acq: 21 Feb 2023 10:03

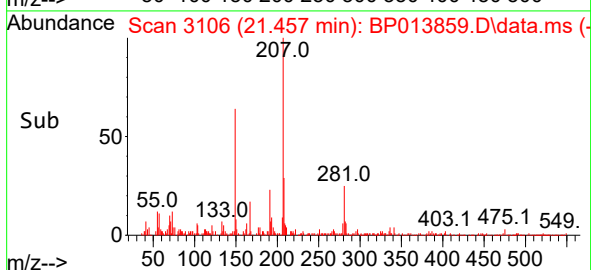
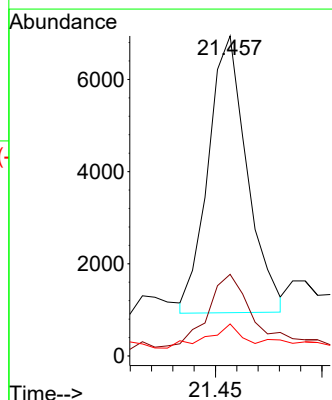
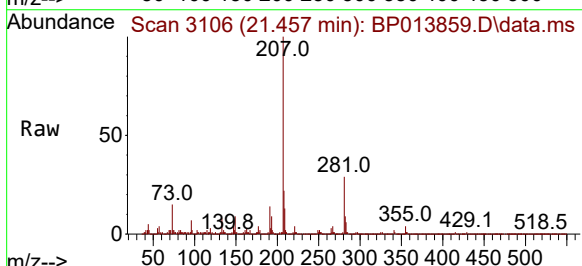
Tgt Ion:149 Resp: 7629

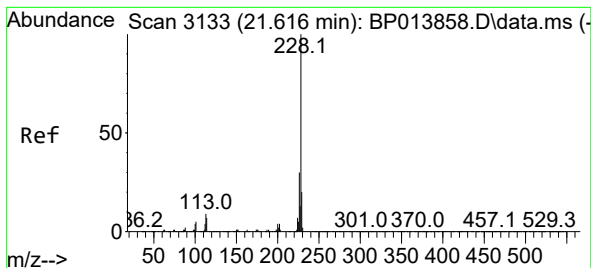
Ion Ratio Lower Upper

149 100

167 25.5 21.5 32.3

279 10.0 3.2 4.8#





#87

Chrysene

Concen: 0.073 ng/ul

RT: 21.616 min Scan# 3133

Delta R.T. -0.000 min

Lab File: BP013859.D

Acq: 21 Feb 2023 10:03

Instrument :

BNA_P

ClientSampleId :

SBLK955

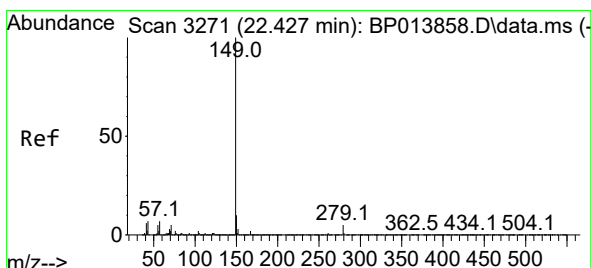
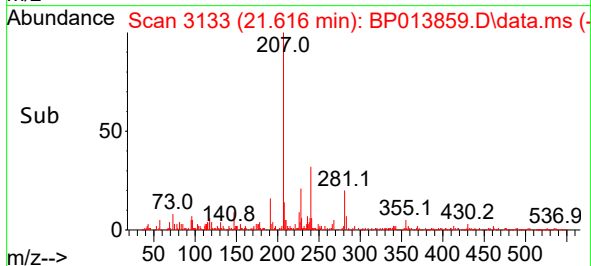
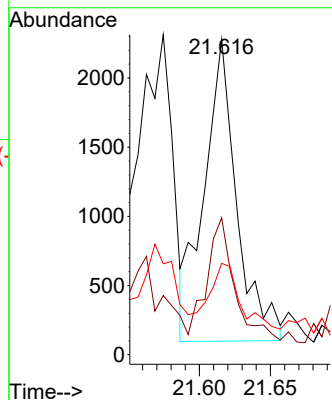
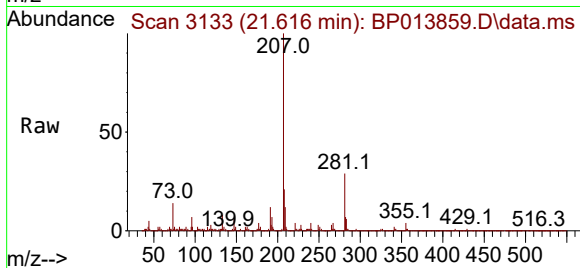
Tgt Ion:228 Resp: 3521

Ion Ratio Lower Upper

228 100

226 43.4 25.0 37.6#

229 29.0 16.4 24.6#



#89

Di-n-octyl phthalate

Concen: 0.008 ng/ul

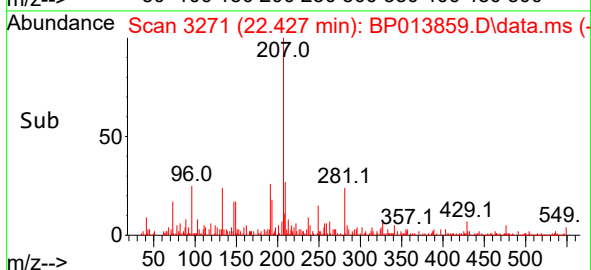
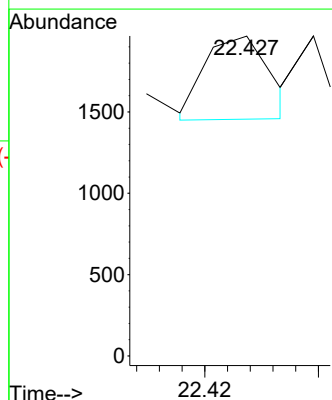
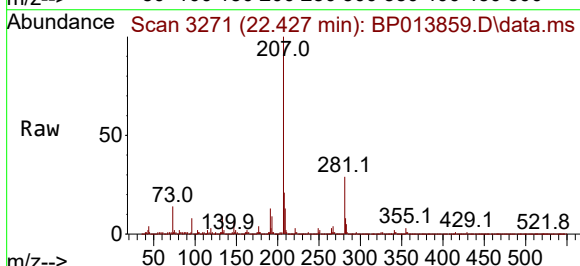
RT: 22.427 min Scan# 3271

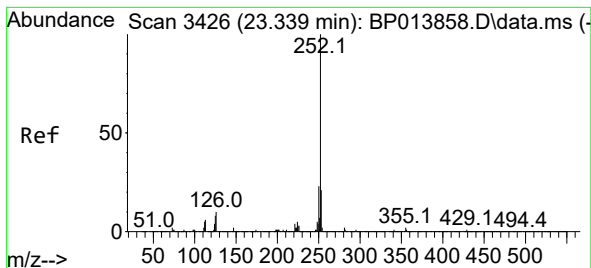
Delta R.T. -0.000 min

Lab File: BP013859.D

Acq: 21 Feb 2023 10:03

Tgt Ion:149 Resp: 406





#90

Benzo(b)fluoranthene

Concen: 0.041 ng/ul

RT: 23.345 min Scan# 3426

Delta R.T. 0.006 min

Lab File: BP013859.D

Acq: 21 Feb 2023 10:03

Instrument :

BNA_P

ClientSampleId :

SBLK955

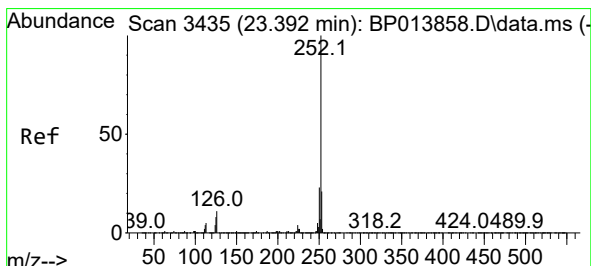
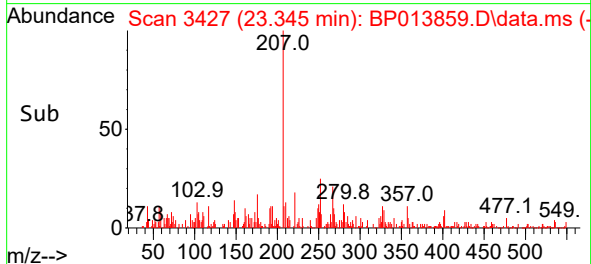
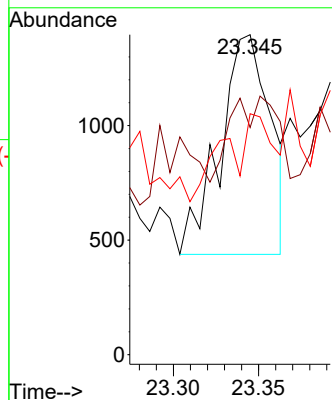
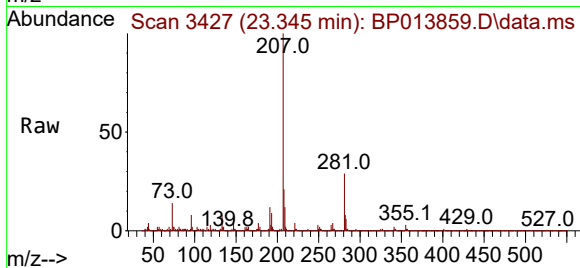
Tgt Ion:252 Resp: 1967

Ion Ratio Lower Upper

252 100

253 71.0 17.5 26.3#

125 75.3 7.8 11.6#



#91

Benzo(k)fluoranthene

Concen: 0.028 ng/ul

RT: 23.398 min Scan# 3436

Delta R.T. 0.006 min

Lab File: BP013859.D

Acq: 21 Feb 2023 10:03

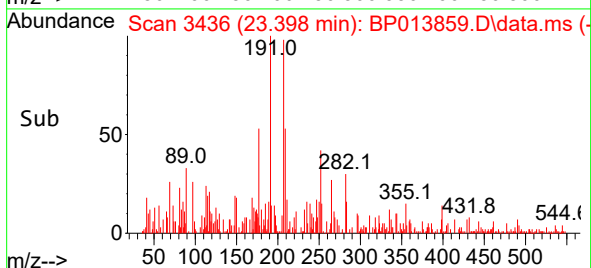
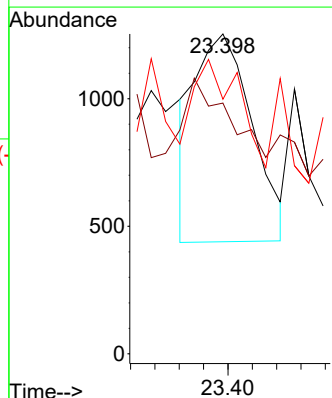
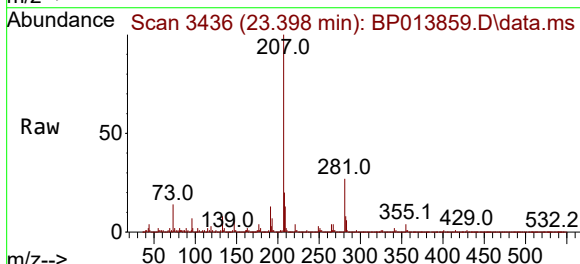
Tgt Ion:252 Resp: 1332

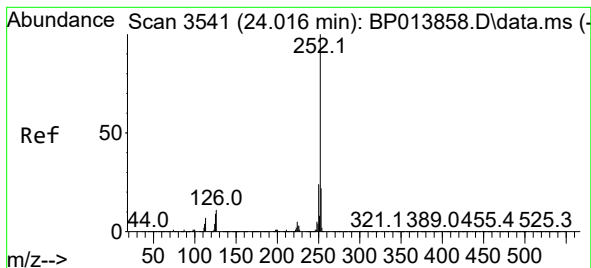
Ion Ratio Lower Upper

252 100

253 78.4 17.1 25.7#

125 79.6 7.2 10.8#





#93

Benzo(a)pyrene

Concen: 0.022 ng/ul

RT: 24.010 min Scan# 3

Delta R.T. -0.006 min

Lab File: BP013859.D

Acq: 21 Feb 2023 10:03

Instrument :

BNA_P

ClientSampleId :

SBLK955

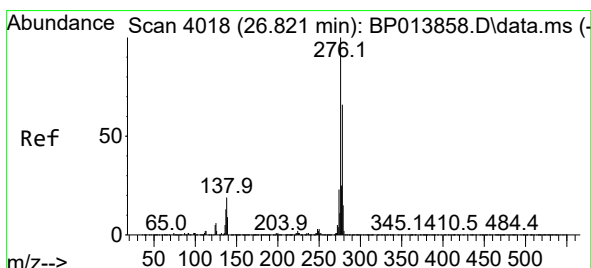
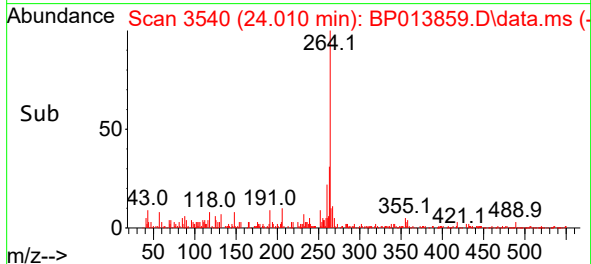
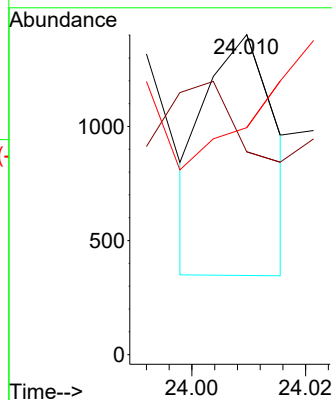
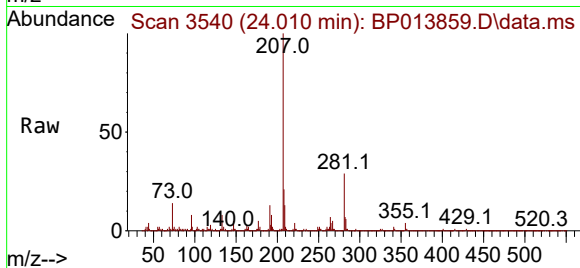
Tgt Ion:252 Resp: 895

Ion Ratio Lower Upper

252 100

253 63.4 17.4 26.0#

125 96.8 8.2 12.2#



#94

Indeno(1,2,3-cd)pyrene

Concen: 0.014 ng/ul

RT: 26.827 min Scan# 4019

Delta R.T. 0.006 min

Lab File: BP013859.D

Acq: 21 Feb 2023 10:03

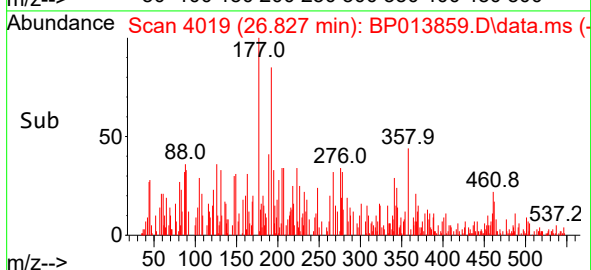
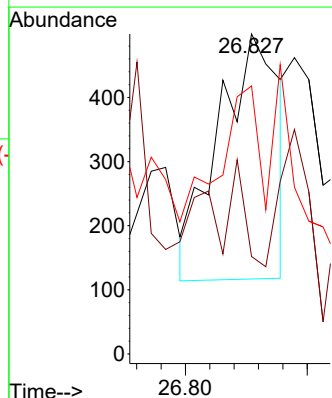
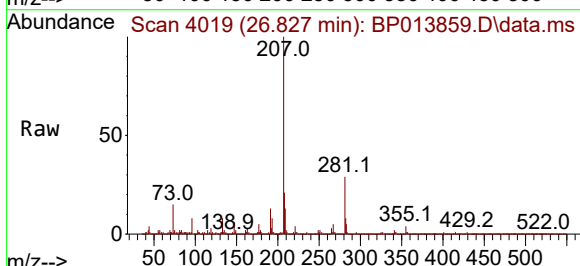
Tgt Ion:276 Resp: 658

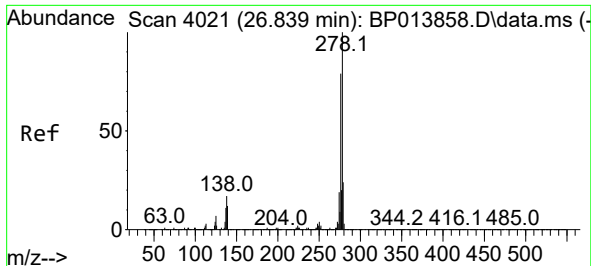
Ion Ratio Lower Upper

276 100

138 30.5 18.4 27.6#

277 83.8 19.7 29.5#

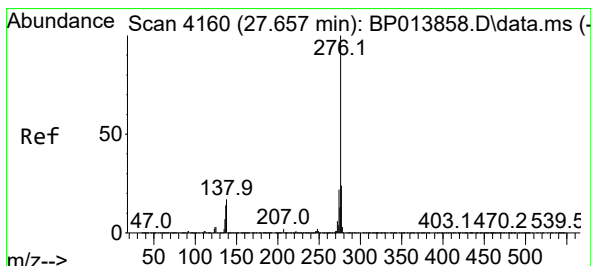
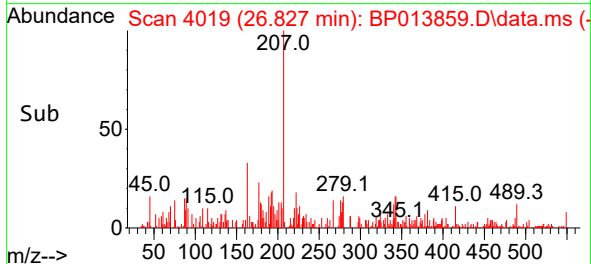
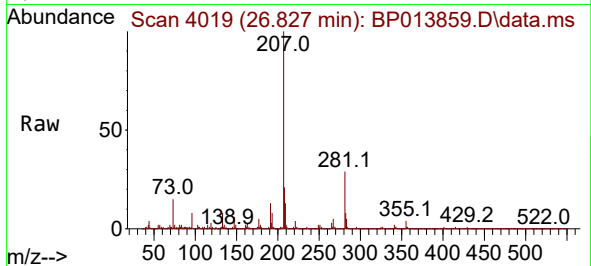




#95
Dibenzo(a,h)anthracene
Concen: 0.006 ng/ul
RT: 26.827 min Scan# 4021
Delta R.T. -0.012 min
Lab File: BP013859.D
Acq: 21 Feb 2023 10:03

Instrument :
BNA_P
ClientSampleId :
SBLK955

Tgt Ion:278 Resp: 222
Ion Ratio Lower Upper
278 100
139 57.9 12.0 18.0#
279 88.0 18.9 28.3#



#96
Benzo(g,h,i)perylene
Concen: 0.009 ng/ul
RT: 27.651 min Scan# 4159
Delta R.T. -0.006 min
Lab File: BP013859.D
Acq: 21 Feb 2023 10:03

Tgt Ion:276 Resp: 318
Ion Ratio Lower Upper
276 100
138 20.3 15.9 23.9
277 31.2 19.0 28.6#

