

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102424\
 Data File : BP022586.D
 Acq On : 24 Oct 2024 13:44
 Operator : RC/JU
 Sample : P4476-04
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 XA103

Quant Time: Oct 24 14:38:02 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP100724.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Oct 22 05:59:59 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.646	152	97938	20.000	ng/u1	-0.01
20) Naphthalene-d8	10.399	136	370297	20.000	ng/u1	-0.02
38) Acenaphthene-d10	14.263	164	290556	20.000	ng/u1	-0.01
64) Phenanthrene-d10	17.075	188	666104	20.000	ng/u1	0.00
79) Chrysene-d12	21.516	240	684877	20.000	ng/u1	0.02
88) Perylene-d12	24.786	264	801695	20.000	ng/u1	0.04
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.187	96	9376	3.720	ng/uL	-0.01
4) Pyridine-d5	0.000	84	0d	0.000	ng/u1	
7) Phenol-d5	6.834	99	228561	27.724	ng/u1	-0.02
9) Bis-(2-Chloroethyl)eth...	6.987	67	134160	27.688	ng/u1	-0.02
11) 2-Chlorophenol-d4	7.187	132	168444	28.795	ng/u1	-0.02
15) 4-Methylphenol-d8	8.358	113	190485	28.952	ng/u1	0.00
21) Nitrobenzene-d5	8.787	128	86124	30.249	ng/u1	-0.01
24) 2-Nitrophenol-d4	9.499	143	102181	30.998	ng/u1	-0.01
28) 2,4-Dichlorophenol-d3	10.034	165	246183	35.139	ng/u1	-0.02
31) 4-Chloroaniline-d4	10.546	131	155136	18.740	ng/u1	-0.01
46) Dimethylphthalate-d6	13.681	166	758149	32.841	ng/u1	0.00
49) Acenaphthylene-d8	13.951	160	784347	31.989	ng/u1	-0.01
54) 4-Nitrophenol-d4	14.493	143	116804	30.160	ng/u1	-0.01
60) Fluorene-d10	15.275	176	659509	32.937	ng/u1	-0.02
65) 4,6-Dinitro-2-methylph...	15.422	200	124863	28.502	ng/u1	0.00
73) Anthracene-d10	17.181	188	1132198	36.132	ng/u1	0.01
81) Pyrene-d10	19.557	212	1401735	38.703	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.551	264	1600636	37.385	ng/u1	0.02
Target Compounds						
					Qvalue	
8) Phenol	6.863	94	726165	84.661	ng/u1	97
10) Bis(2-Chloroethyl)ether	7.081	93	1389664	216.483	ng/u1	98
12) 2-Chlorophenol	7.222	128	1120518	185.237	ng/u1	95
17) N-Nitroso-di-n-propyla...	8.440	70	467245	84.907	ng/u1	96
19) Hexachloroethane	8.705	117	217500	77.204	ng/u1	97
22) Nitrobenzene	8.828	77	897310	105.581	ng/u1	97
23) Isophorone	9.352	82	3113137	204.301	ng/u1	98
25) 2-Nitrophenol	9.534	139	386007	108.656	ng/u1	97
29) 2,4-Dichlorophenol	10.057	162	771703	111.853	ng/u1	98
30) Naphthalene	10.452	128	1874680	95.050	ng/u1	98
33) Hexachlorobutadiene	10.728	225	517210	88.946	ng/u1	98
35) 4-Chloro-3-methylphenol	11.699	107	376606	50.031	ng/u1	99
36) 2-Methylnaphthalene	12.069	142	2501481	172.782	ng/u1	97
41) 2,4,6-Trichlorophenol	12.681	196	463518	68.589	ng/u1	97
42) 2,4,5-Trichlorophenol	12.751	196	755320	104.968	ng/u1	97
44) 2-Chloronaphthalene	13.128	162	2369960	138.236	ng/u1	98
48) 2,6-Dinitrotoluene	13.845	165	960249	220.694	ng/u1	96
52) Acenaphthene	14.340	153	2991893	166.267	ng/u1	99
55) 4-Nitrophenol	14.510	109	537981	125.159	ng/u1	97
57) 2,4-Dinitrotoluene	14.657	165	497642	73.603	ng/u1	97
59) Diethylphthalate	15.104	149	4522628	204.929	ng/u1	99
61) Fluorene	15.334	166	932060	42.320	ng/u1	97
62) 4-Chlorophenyl-phenyle...	15.334	204	2323279	184.467	ng/u1	99
71) Pentachlorophenol	16.728	266	1522826	239.534	ng/u1	97

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Response via : Initial Calibration

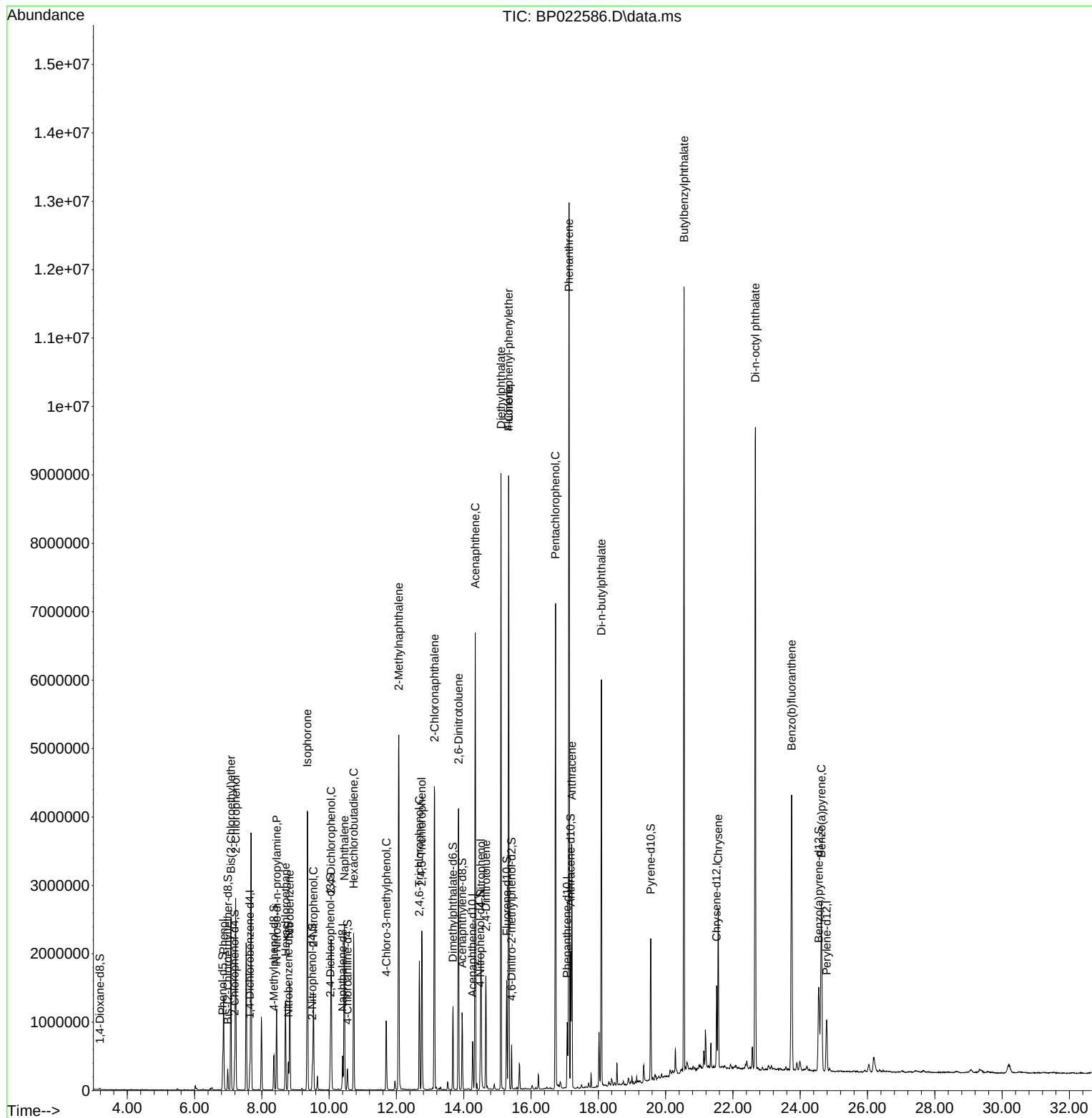
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
72) Phenanthrene	17.128	178	8623075	241.968	ng/ul	99
74) Anthracene	17.210	178	2221929	62.477	ng/ul	99
78) Di-n-butylphthalate	18.092	149	4874504	139.995	ng/ul	100
83) Butylbenzylphthalate	20.545	149	3725299	239.769	ng/ul#	94
87) Chrysene	21.563	228	1460018	32.796	ng/ul	100
89) Di-n-octyl phthalate	22.669	149	8538621	223.913	ng/ul	100
90) Benzo(b)fluoranthene	23.745	252	4095656	81.160	ng/ul#	98
93) Benzo(a)pyrene	24.627	252	2985443	64.280	ng/ul	99

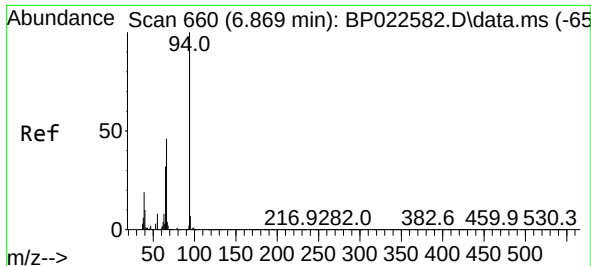
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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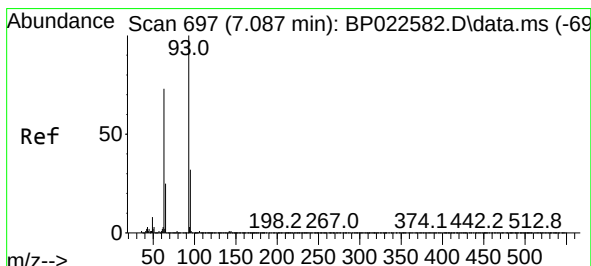
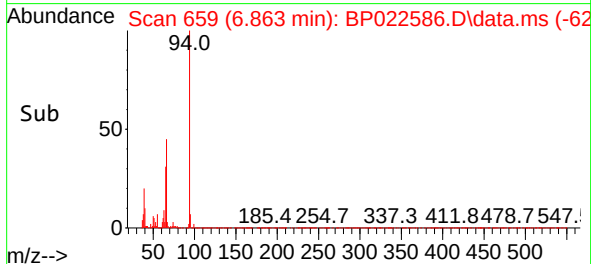
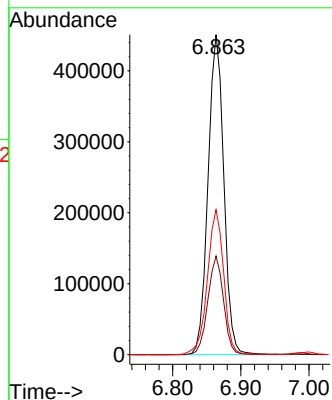
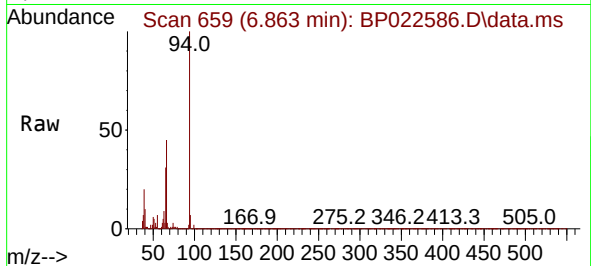




#8
Phenol
Concen: 84.661 ng/ul
RT: 6.863 min Scan# 61
Delta R.T. -0.017 min
Lab File: BP022586.D
Acq: 24 Oct 2024 13:44

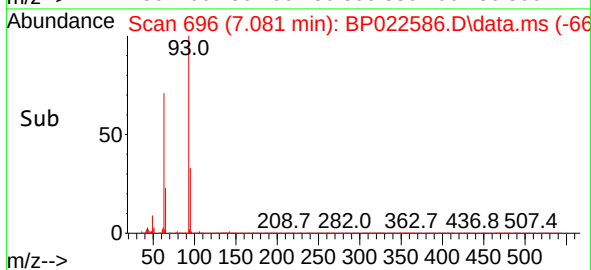
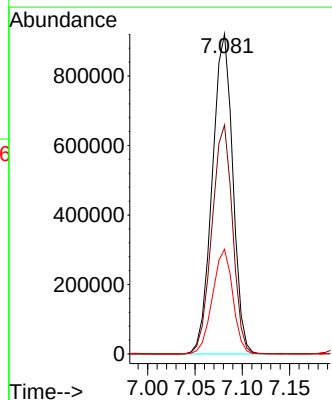
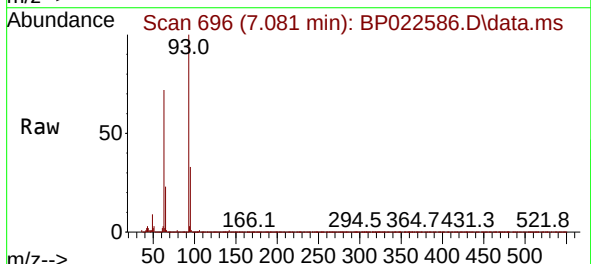
Instrument :
BNA_P
ClientSampleId :
XA103

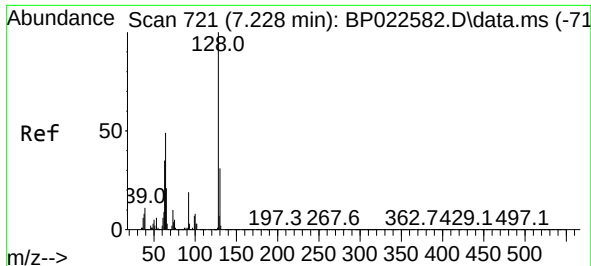
Tgt Ion: 94 Resp: 726165
Ion Ratio Lower Upper
94 100
65 30.8 25.9 38.9
66 45.3 37.6 56.4



#10
Bis(2-Chloroethyl)ether
Concen: 216.483 ng/ul
RT: 7.081 min Scan# 696
Delta R.T. -0.011 min
Lab File: BP022586.D
Acq: 24 Oct 2024 13:44

Tgt Ion: 93 Resp: 1389664
Ion Ratio Lower Upper
93 100
63 71.6 59.0 88.6
95 32.7 25.6 38.4

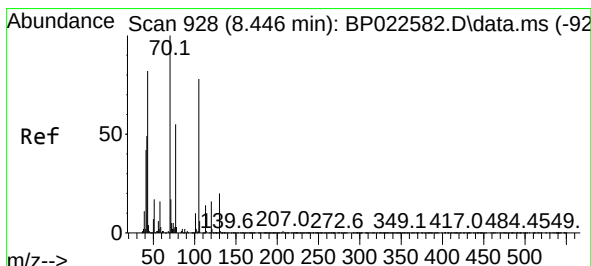
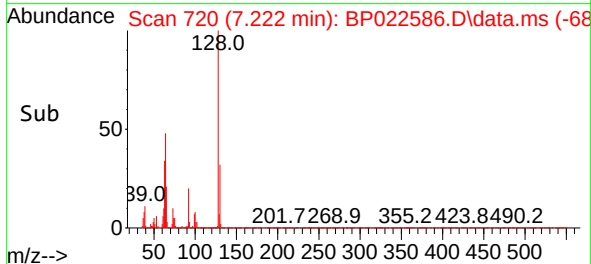
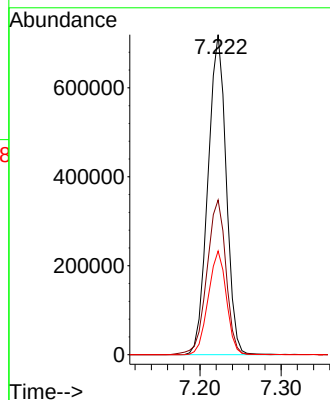
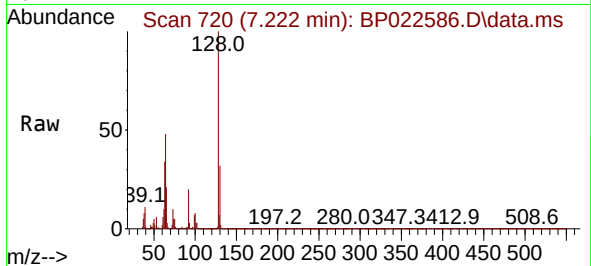




#12
2-Chlorophenol
Concen: 185.237 ng/ul
RT: 7.222 min Scan# 71
Delta R.T. -0.011 min
Lab File: BP022586.D
Acq: 24 Oct 2024 13:44

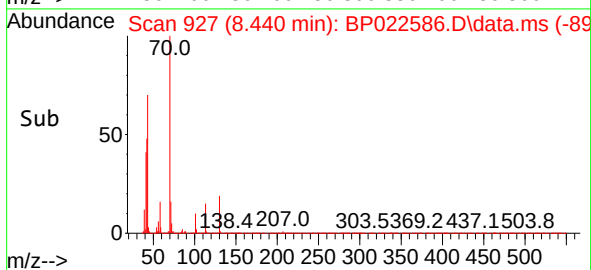
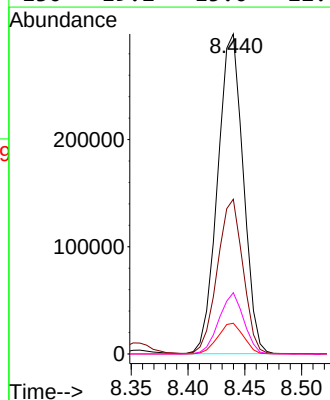
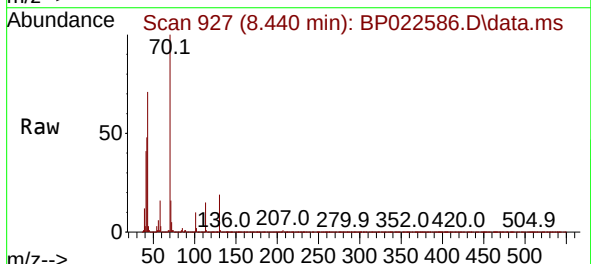
Instrument :
BNA_P
ClientSampleId :
XA103

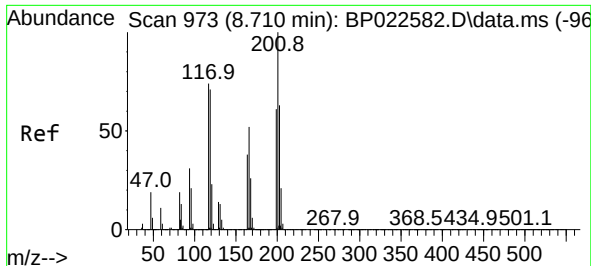
Tgt Ion:128 Resp: 1120518
Ion Ratio Lower Upper
128 100
64 48.4 42.4 63.6
130 32.4 24.8 37.2



#17
N-Nitroso-di-n-propylamine
Concen: 84.907 ng/ul
RT: 8.440 min Scan# 927
Delta R.T. -0.017 min
Lab File: BP022586.D
Acq: 24 Oct 2024 13:44

Tgt Ion: 70 Resp: 467245
Ion Ratio Lower Upper
70 100
42 48.4 42.0 63.0
101 9.6 7.8 11.6
130 19.2 15.0 22.6

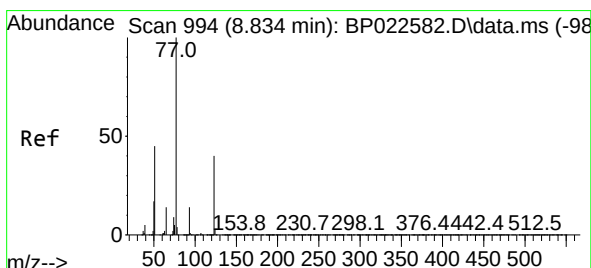
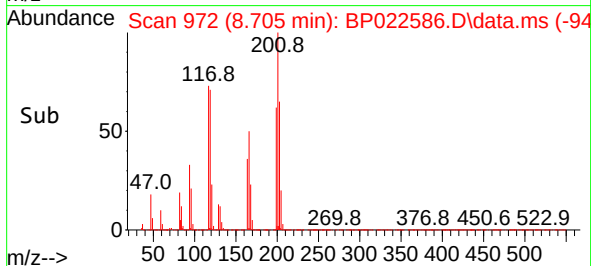
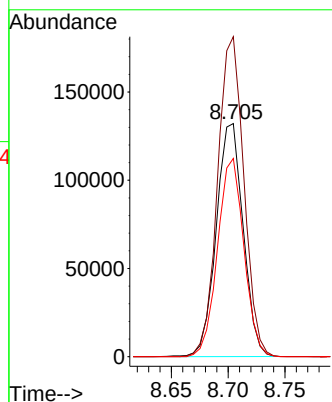
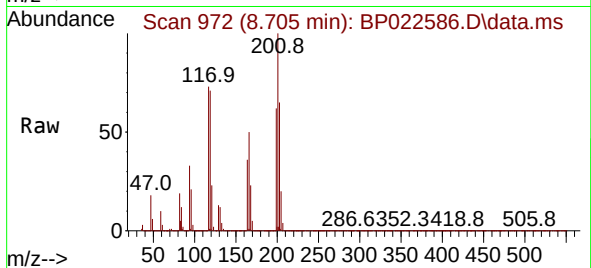




#19
Hexachloroethane
Concen: 77.204 ng/ul
RT: 8.705 min Scan# 91
Delta R.T. -0.017 min
Lab File: BP022586.D
Acq: 24 Oct 2024 13:44

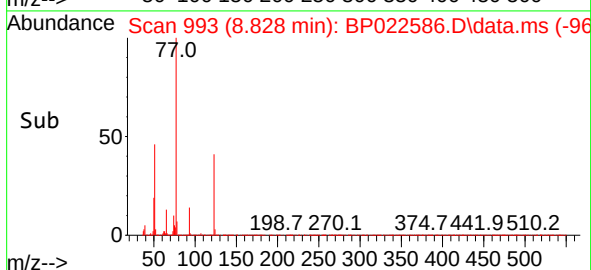
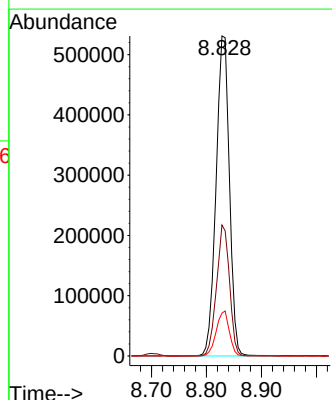
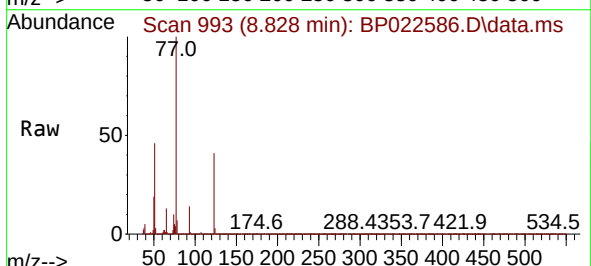
Instrument :
BNA_P
ClientSampleId :
XA103

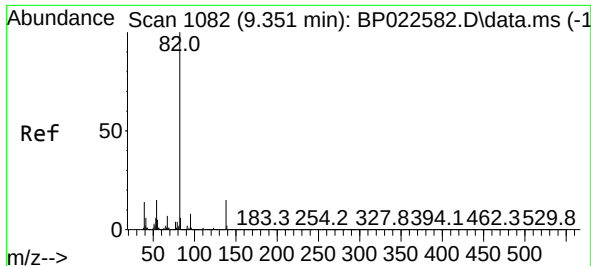
Tgt Ion:117 Resp: 217500
Ion Ratio Lower Upper
117 100
201 137.2 106.6 160.0
199 85.0 66.9 100.3



#22
Nitrobenzene
Concen: 105.581 ng/ul
RT: 8.828 min Scan# 993
Delta R.T. -0.017 min
Lab File: BP022586.D
Acq: 24 Oct 2024 13:44

Tgt Ion: 77 Resp: 897310
Ion Ratio Lower Upper
77 100
123 40.9 30.8 46.2
65 13.4 11.4 17.2

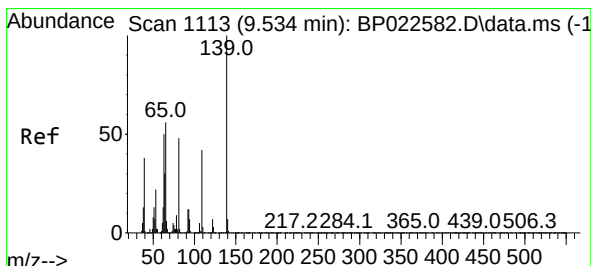
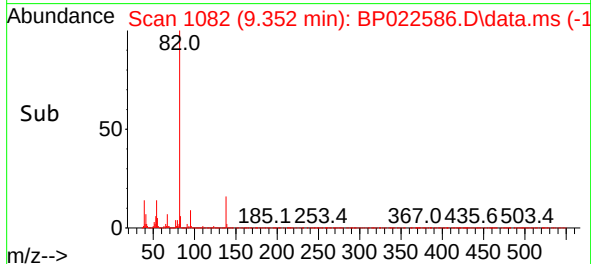
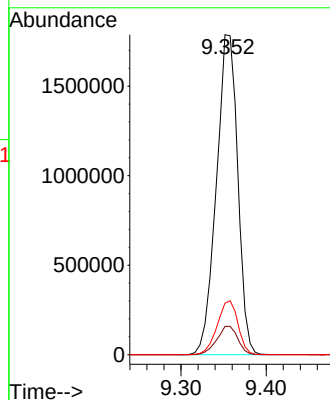
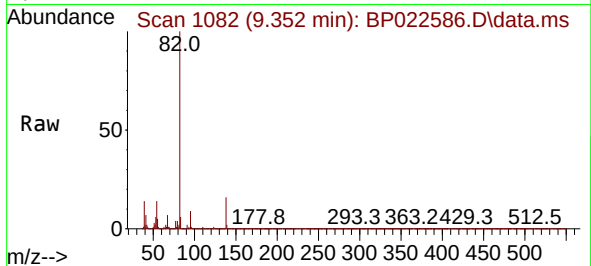




#23
Isophorone
Concen: 204.301 ng/ul
RT: 9.352 min Scan# 1082
Delta R.T. -0.011 min
Lab File: BP022586.D
Acq: 24 Oct 2024 13:44

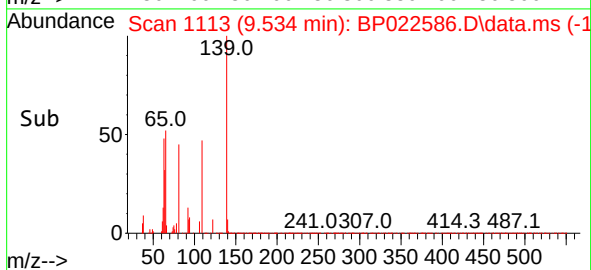
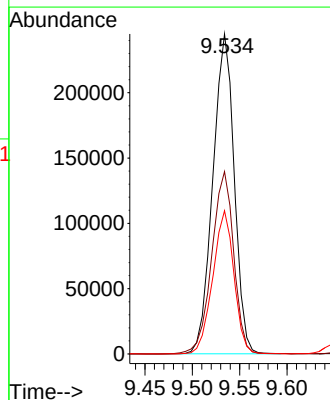
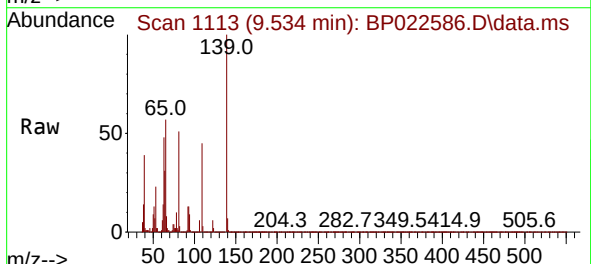
Instrument :
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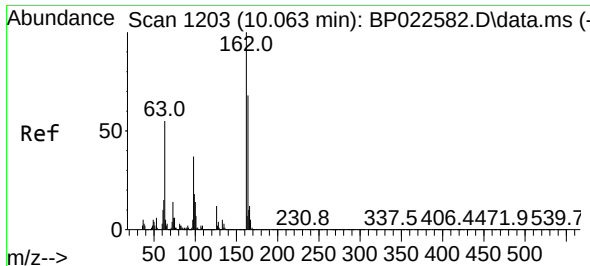
Tgt Ion: 82 Resp: 3113137
Ion Ratio Lower Upper
82 100
95 8.8 6.7 10.1
138 16.1 12.3 18.5



#25
2-Nitrophenol
Concen: 108.656 ng/ul
RT: 9.534 min Scan# 1113
Delta R.T. -0.011 min
Lab File: BP022586.D
Acq: 24 Oct 2024 13:44

Tgt Ion:139 Resp: 386007
Ion Ratio Lower Upper
139 100
65 57.0 48.5 72.7
109 44.8 35.0 52.4





#29

2,4-Dichlorophenol

Concen: 111.853 ng/ul

RT: 10.057 min Scan# 1202

Delta R.T. -0.017 min

Lab File: BP022586.D

Acq: 24 Oct 2024 13:44

Instrument :

BNA_P

ClientSampleId :

XA103

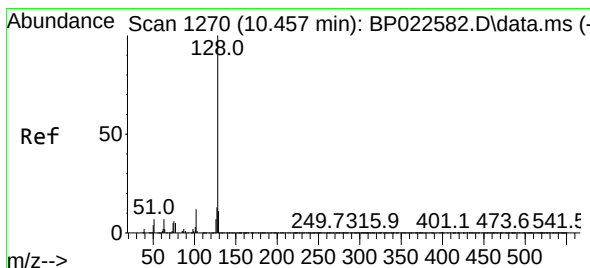
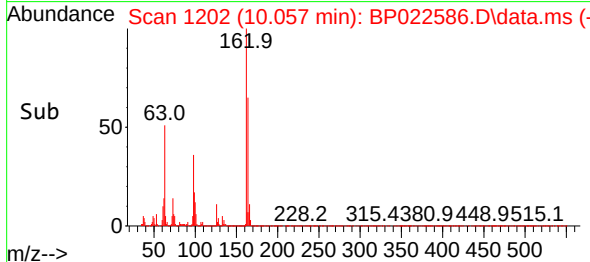
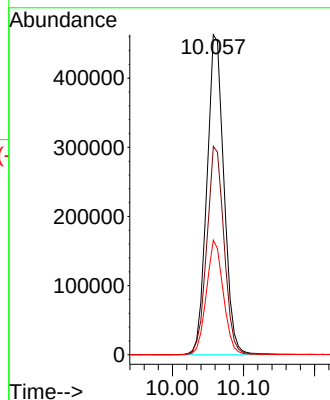
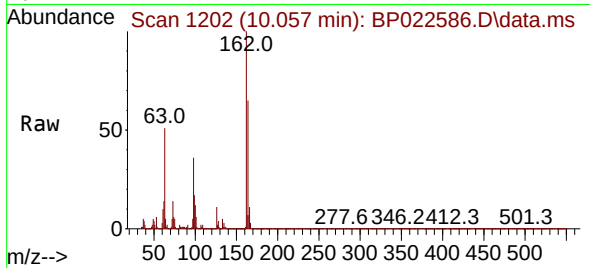
Tgt Ion:162 Resp: 771703

Ion Ratio Lower Upper

162 100

164 65.1 53.5 80.3

98 35.8 28.6 42.8



#30

Naphthalene

Concen: 95.050 ng/ul

RT: 10.452 min Scan# 1269

Delta R.T. -0.017 min

Lab File: BP022586.D

Acq: 24 Oct 2024 13:44

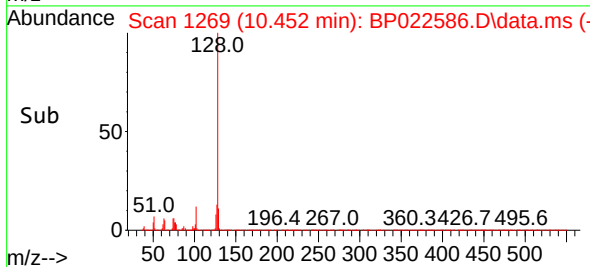
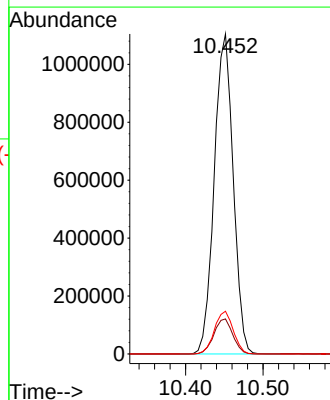
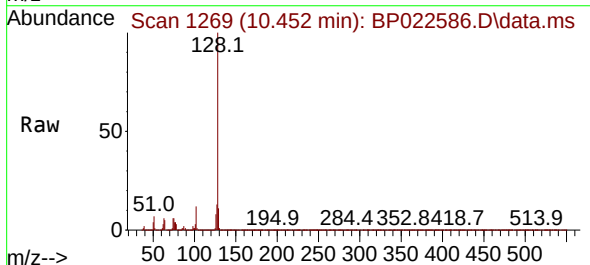
Tgt Ion:128 Resp: 1874680

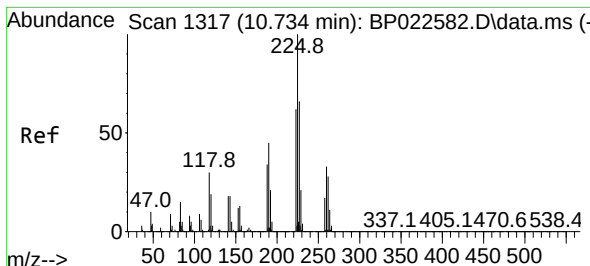
Ion Ratio Lower Upper

128 100

129 10.9 8.6 12.8

127 13.4 9.9 14.9





#33

Hexachlorobutadiene

Concen: 88.946 ng/ul

RT: 10.728 min Scan# 11

Delta R.T. -0.017 min

Lab File: BP022586.D

Acq: 24 Oct 2024 13:44

Instrument :

BNA_P

ClientSampleId :

XA103

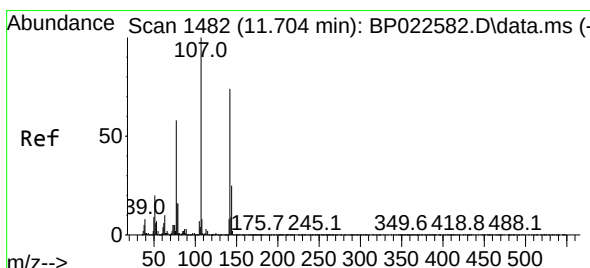
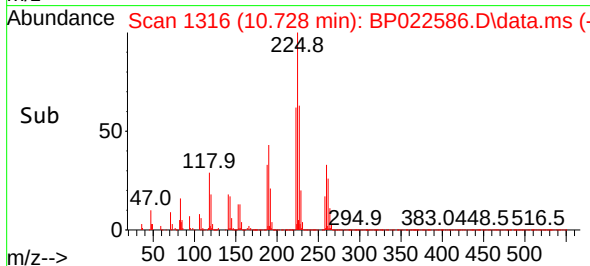
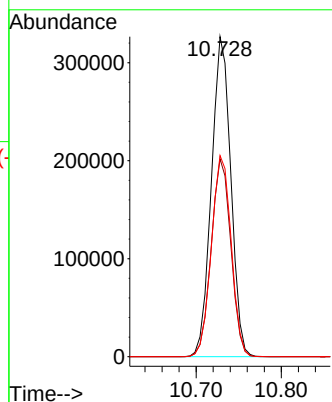
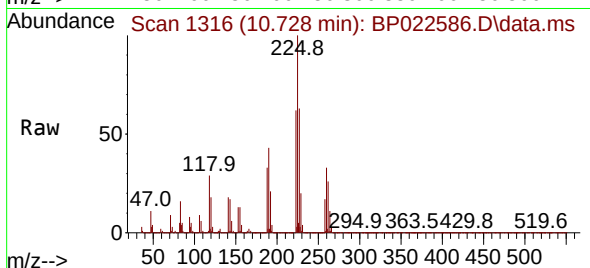
Tgt Ion:225 Resp: 517210

Ion Ratio Lower Upper

225 100

223 61.8 50.2 75.4

227 62.9 51.7 77.5



#35

4-Chloro-3-methylphenol

Concen: 50.031 ng/ul

RT: 11.699 min Scan# 1481

Delta R.T. -0.011 min

Lab File: BP022586.D

Acq: 24 Oct 2024 13:44

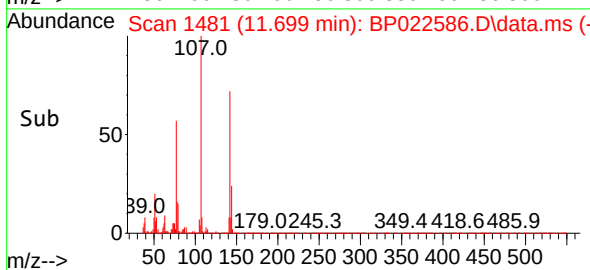
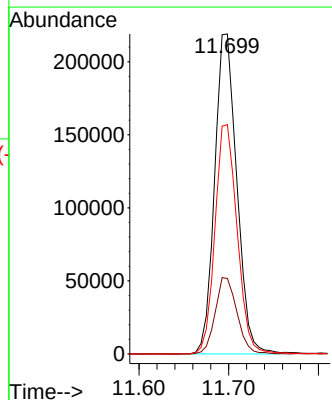
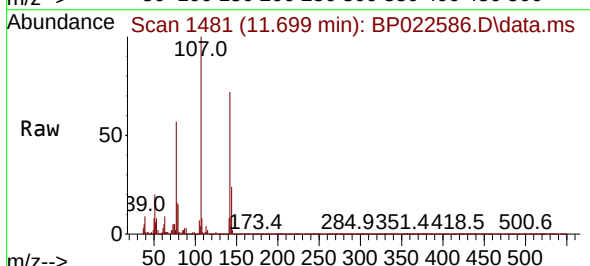
Tgt Ion:107 Resp: 376606

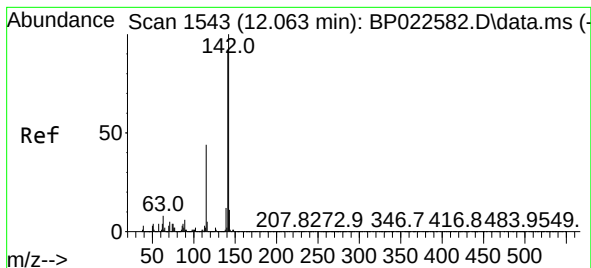
Ion Ratio Lower Upper

107 100

144 23.6 18.5 27.7

142 71.7 57.6 86.4

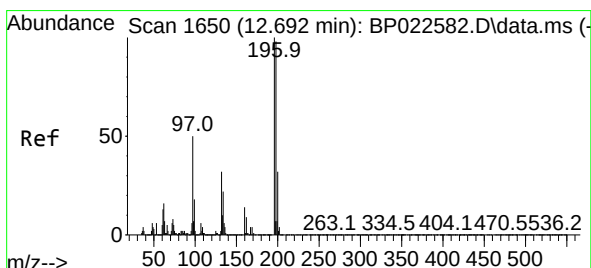
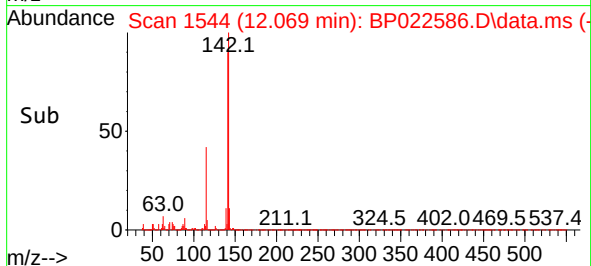
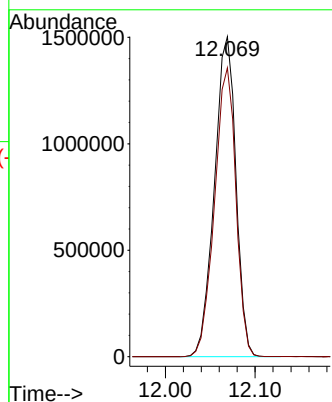
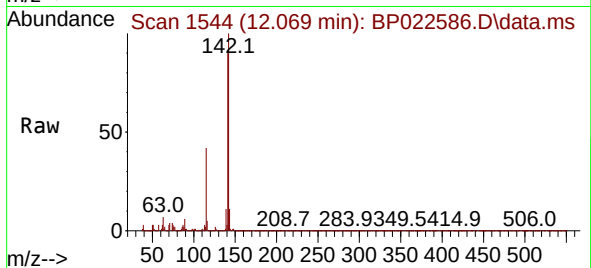




#36
2-Methylnaphthalene
Concen: 172.782 ng/ul
RT: 12.069 min Scan# 11
Delta R.T. -0.005 min
Lab File: BP022586.D
Acq: 24 Oct 2024 13:44

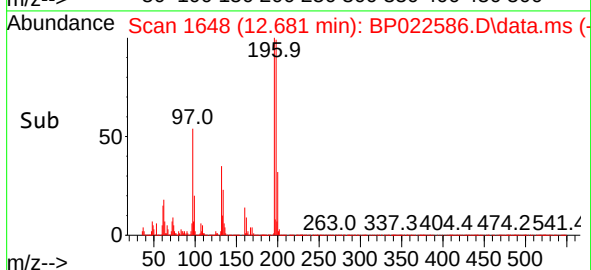
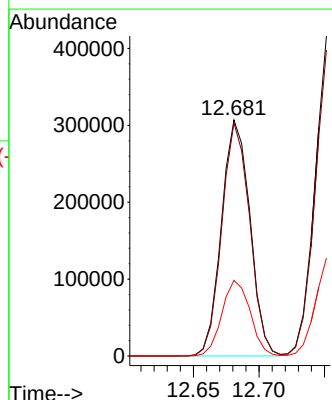
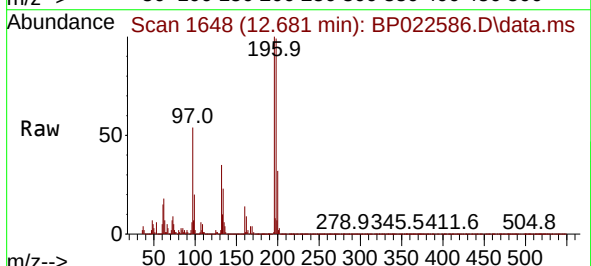
Instrument :
BNA_P
ClientSampleId :
XA103

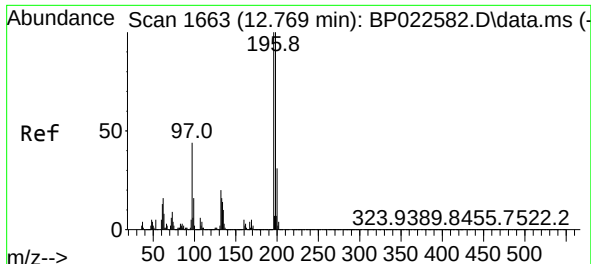
Tgt Ion:142 Resp: 2501481
Ion Ratio Lower Upper
142 100
141 90.3 69.8 104.6



#41
2,4,6-Trichlorophenol
Concen: 68.589 ng/ul
RT: 12.681 min Scan# 1648
Delta R.T. -0.011 min
Lab File: BP022586.D
Acq: 24 Oct 2024 13:44

Tgt Ion:196 Resp: 463518
Ion Ratio Lower Upper
196 100
198 98.7 75.8 113.8
200 32.0 25.6 38.4

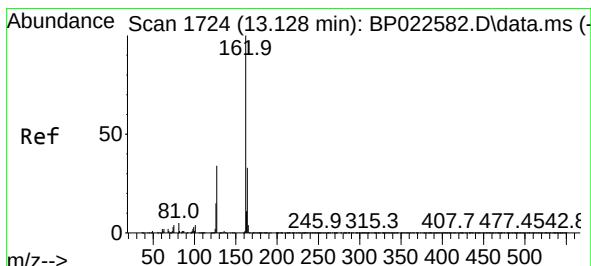
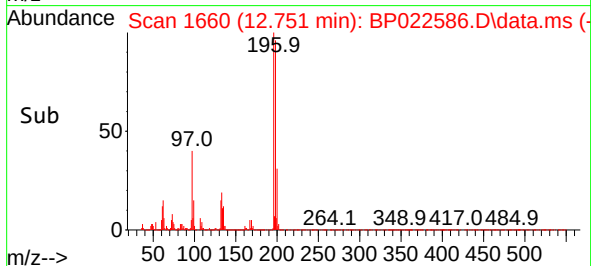
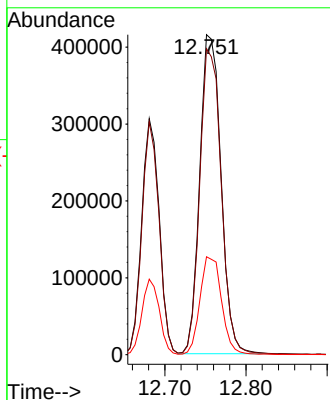
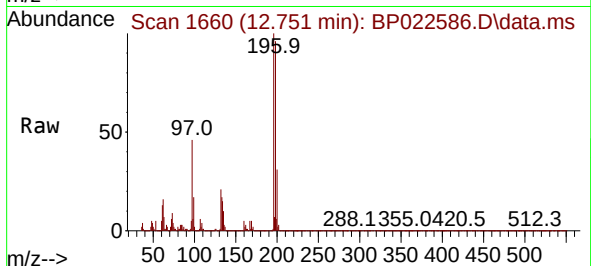




#42
2,4,5-Trichlorophenol
Concen: 104.968 ng/ul
RT: 12.751 min Scan# 1660
Delta R.T. -0.017 min
Lab File: BP022586.D
Acq: 24 Oct 2024 13:44

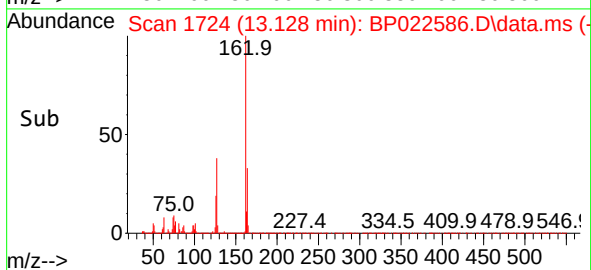
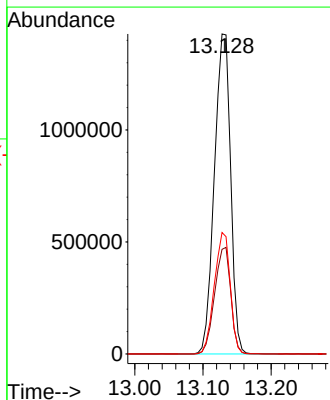
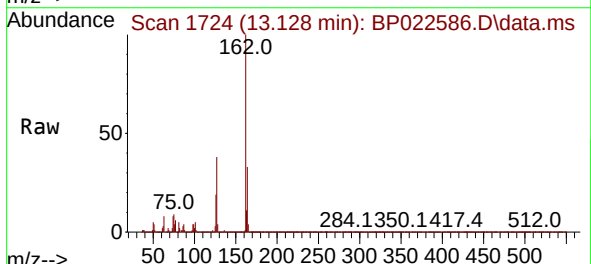
Instrument :
BNA_P
ClientSampleId :
XA103

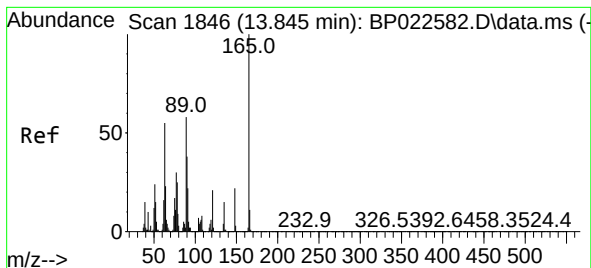
Tgt Ion:196 Resp: 755320
Ion Ratio Lower Upper
196 100
198 95.6 78.0 117.0
200 30.6 27.0 40.4



#44
2-Chloronaphthalene
Concen: 138.236 ng/ul
RT: 13.128 min Scan# 1724
Delta R.T. -0.011 min
Lab File: BP022586.D
Acq: 24 Oct 2024 13:44

Tgt Ion:162 Resp: 2369960
Ion Ratio Lower Upper
162 100
164 32.7 26.2 39.4
127 38.0 28.8 43.2





#48

2,6-Dinitrotoluene

Concen: 220.694 ng/ul

RT: 13.845 min Scan# 11

Delta R.T. -0.005 min

Lab File: BP022586.D

Acq: 24 Oct 2024 13:44

Instrument :

BNA_P

ClientSampleId :

XA103

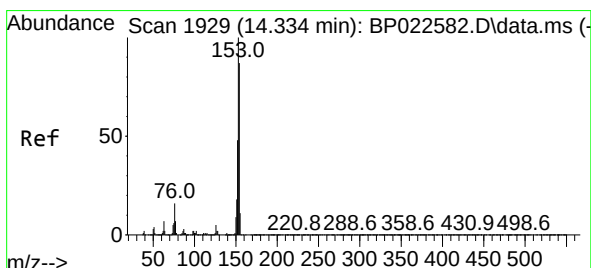
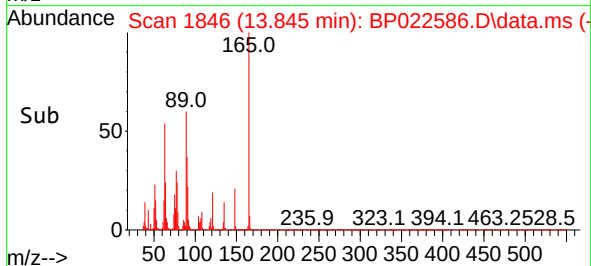
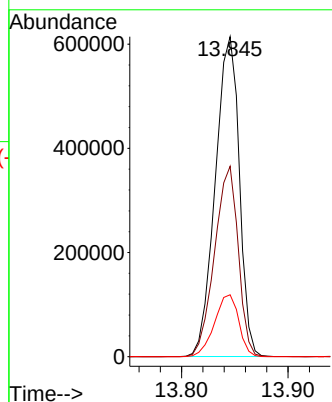
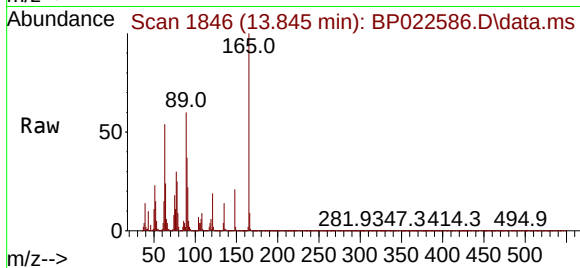
Tgt Ion:165 Resp: 960249

Ion Ratio Lower Upper

165 100

89 59.5 50.2 75.4

121 19.3 17.1 25.7



#52

Acenaphthene

Concen: 166.267 ng/ul

RT: 14.340 min Scan# 1930

Delta R.T. 0.006 min

Lab File: BP022586.D

Acq: 24 Oct 2024 13:44

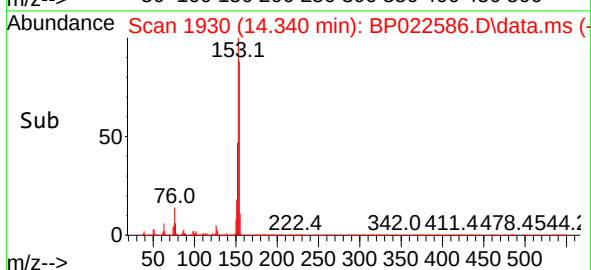
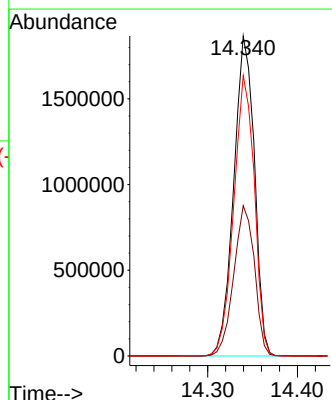
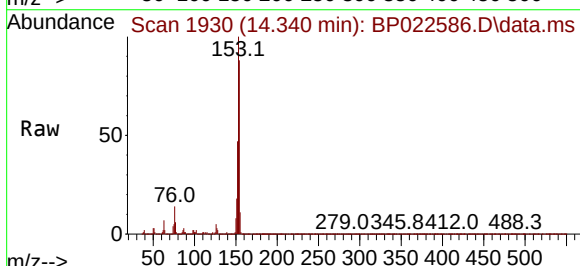
Tgt Ion:153 Resp: 2991893

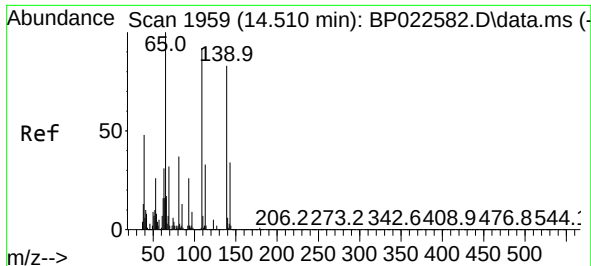
Ion Ratio Lower Upper

153 100

152 47.0 37.8 56.6

154 87.7 69.5 104.3

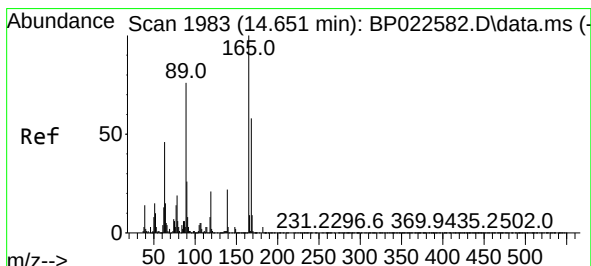
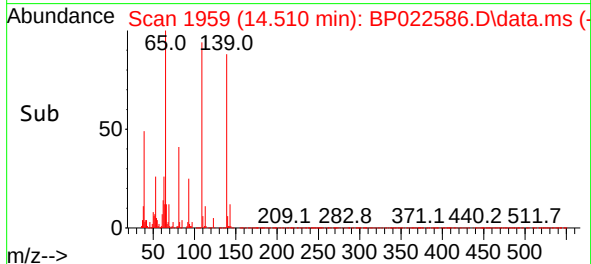
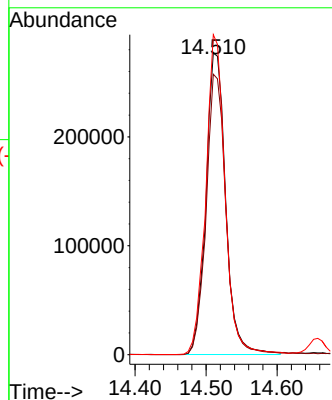
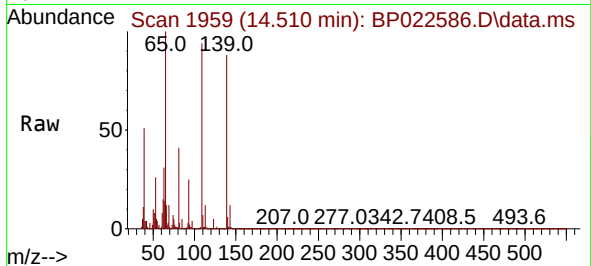




#55
4-Nitrophenol
Concen: 125.159 ng/ul
RT: 14.510 min Scan# 1959
Delta R.T. -0.006 min
Lab File: BP022586.D
Acq: 24 Oct 2024 13:44

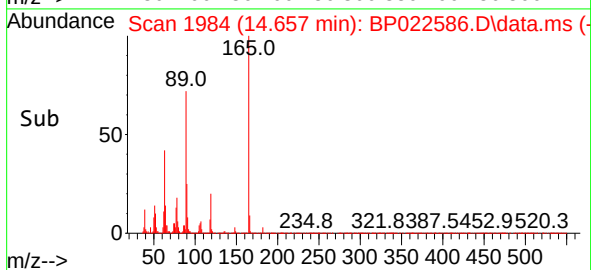
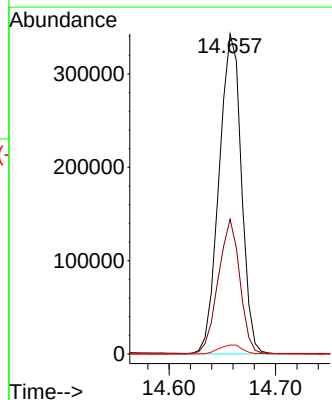
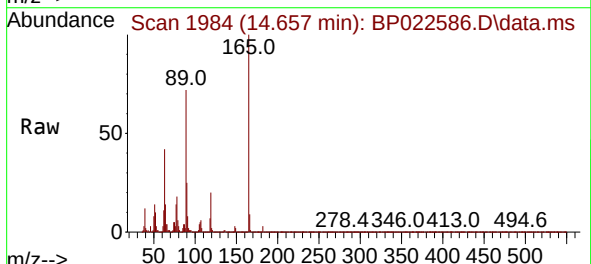
Instrument :
BNA_P
ClientSampleId :
XA103

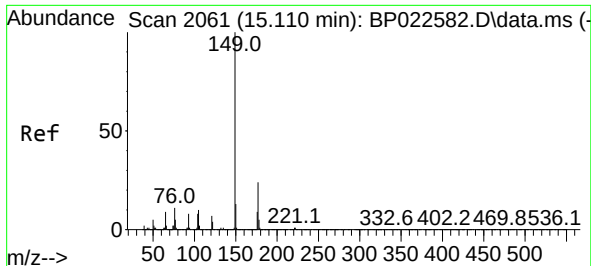
Tgt Ion:109 Resp: 537981
Ion Ratio Lower Upper
109 100
139 93.0 76.4 114.6
65 106.1 87.4 131.0



#57
2,4-Dinitrotoluene
Concen: 73.603 ng/ul
RT: 14.657 min Scan# 1984
Delta R.T. 0.000 min
Lab File: BP022586.D
Acq: 24 Oct 2024 13:44

Tgt Ion:165 Resp: 497642
Ion Ratio Lower Upper
165 100
63 42.1 35.3 52.9
182 2.8 2.6 4.0

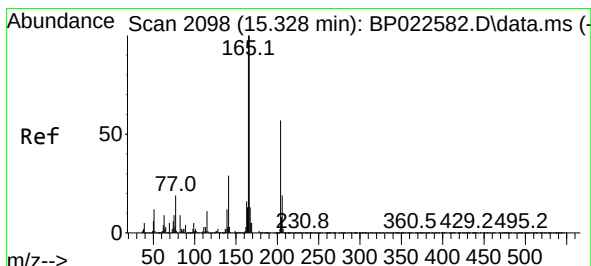
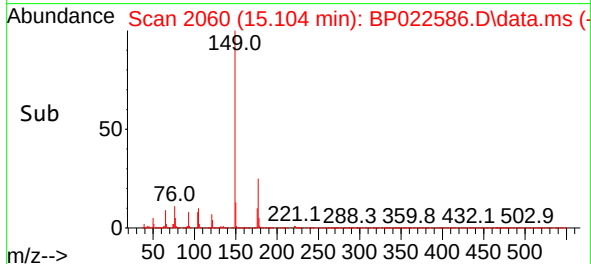
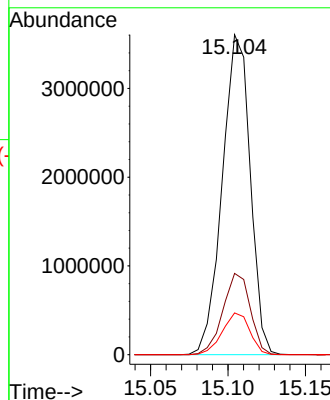
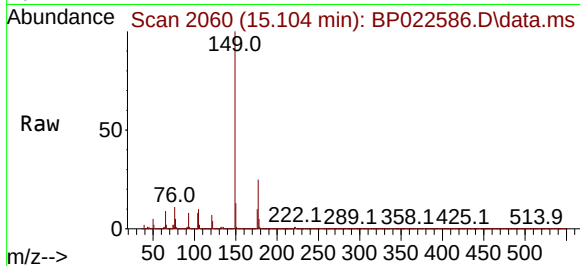




#59
Diethylphthalate
Concen: 204.929 ng/ul
RT: 15.104 min Scan# 2060
Delta R.T. 0.000 min
Lab File: BP022586.D
Acq: 24 Oct 2024 13:44

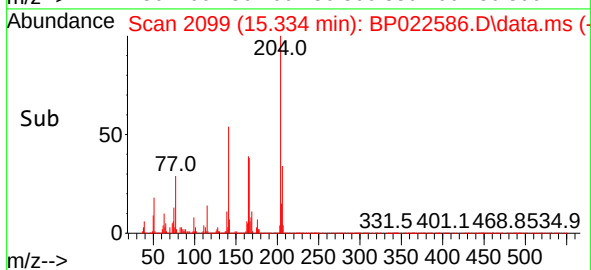
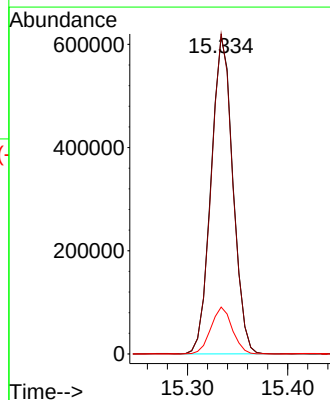
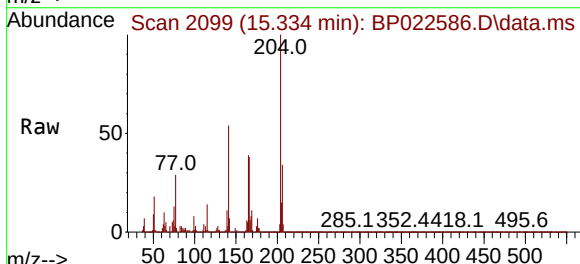
Instrument :
BNA_P
ClientSampleId :
XA103

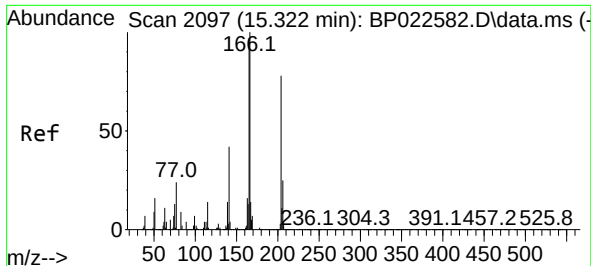
Tgt Ion:149 Resp: 4522628
Ion Ratio Lower Upper
149 100
177 25.4 19.9 29.9
150 13.1 10.2 15.4



#61
Fluorene
Concen: 42.320 ng/ul
RT: 15.334 min Scan# 2099
Delta R.T. -0.005 min
Lab File: BP022586.D
Acq: 24 Oct 2024 13:44

Tgt Ion:166 Resp: 932060
Ion Ratio Lower Upper
166 100
165 100.8 77.8 116.6
167 14.8 11.1 16.7

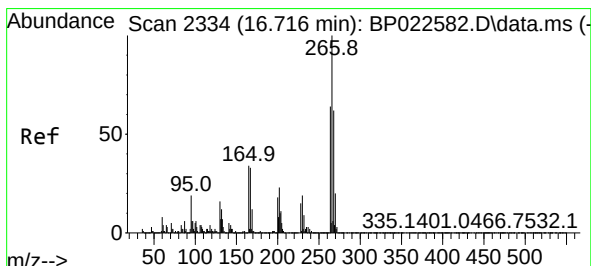
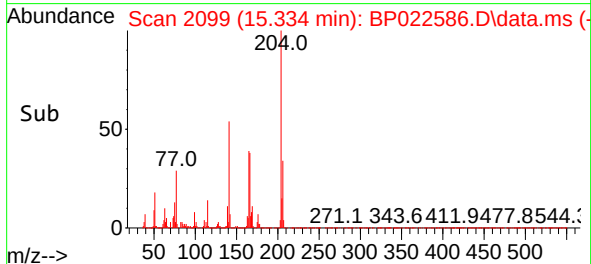
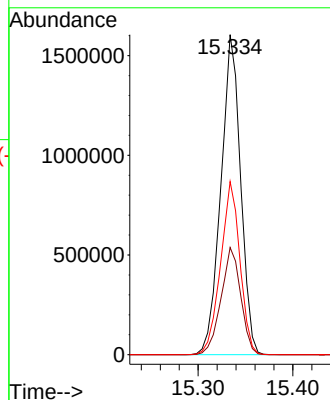
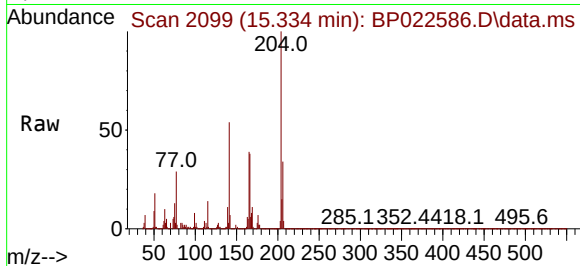




#62
4-Chlorophenyl-phenylether
Concen: 184.467 ng/ul
RT: 15.334 min Scan# 2099
Delta R.T. 0.000 min
Lab File: BP022586.D
Acq: 24 Oct 2024 13:44

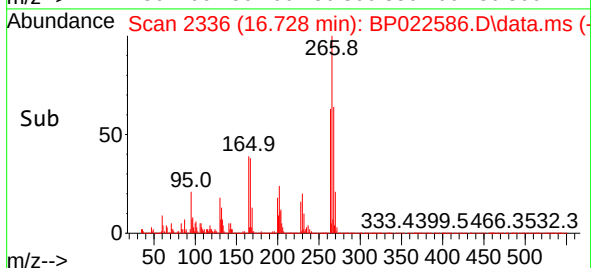
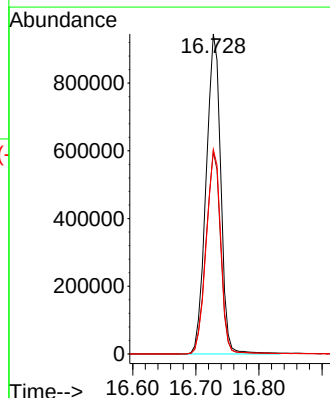
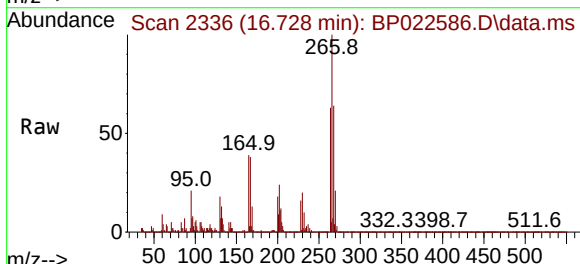
Instrument :
BNA_P
ClientSampleId :
XA103

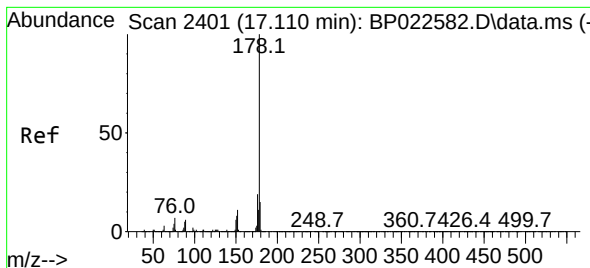
Tgt Ion:204 Resp: 2323279
Ion Ratio Lower Upper
204 100
206 33.5 26.4 39.6
141 54.1 42.6 63.8



#71
Pentachlorophenol
Concen: 239.534 ng/ul
RT: 16.728 min Scan# 2336
Delta R.T. 0.000 min
Lab File: BP022586.D
Acq: 24 Oct 2024 13:44

Tgt Ion:266 Resp: 1522826
Ion Ratio Lower Upper
266 100
264 63.3 52.4 78.6
268 63.9 53.0 79.4





#72

Phenanthrene

Concen: 241.968 ng/ul

RT: 17.128 min Scan# 2404

Delta R.T. 0.012 min

Lab File: BP022586.D

Acq: 24 Oct 2024 13:44

Instrument :

BNA_P

ClientSampleId :

XA103

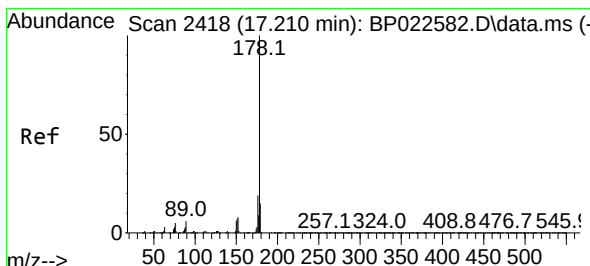
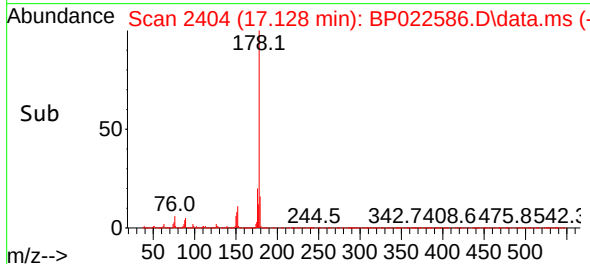
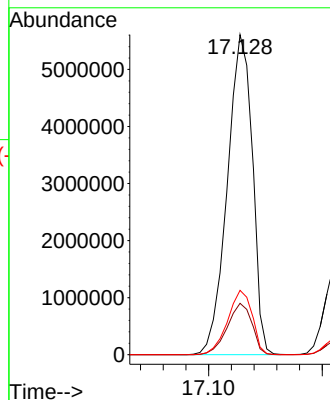
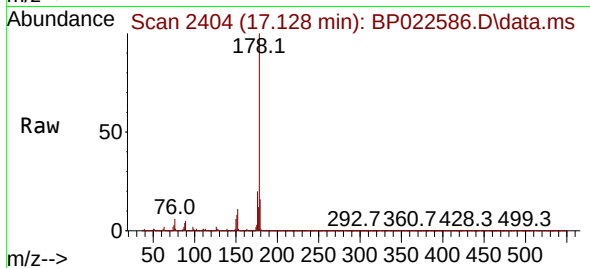
Tgt Ion:178 Resp: 8623075

Ion Ratio Lower Upper

178 100

179 16.0 12.2 18.4

176 20.1 15.7 23.5



#74

Anthracene

Concen: 62.477 ng/ul

RT: 17.210 min Scan# 2418

Delta R.T. 0.006 min

Lab File: BP022586.D

Acq: 24 Oct 2024 13:44

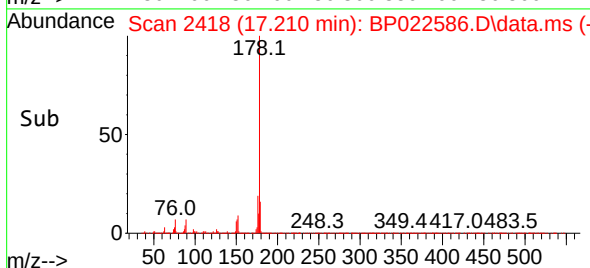
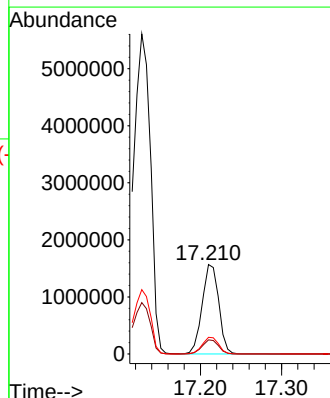
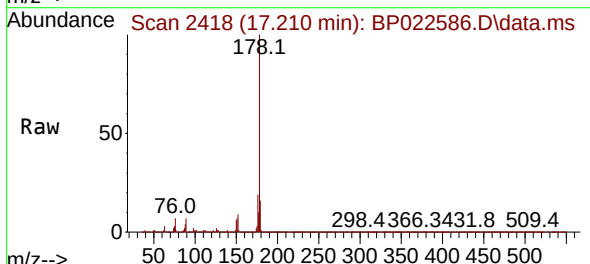
Tgt Ion:178 Resp: 2221929

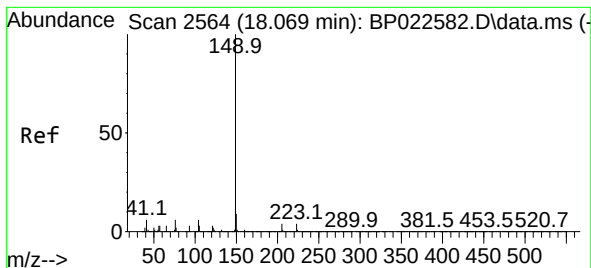
Ion Ratio Lower Upper

178 100

179 15.7 12.0 18.0

176 18.6 15.0 22.4





#78

Di-n-butylphthalate

Concen: 139.995 ng/ul

RT: 18.092 min Scan# 2568

Delta R.T. 0.006 min

Lab File: BP022586.D

Acq: 24 Oct 2024 13:44

Instrument :

BNA_P

ClientSampleId :

XA103

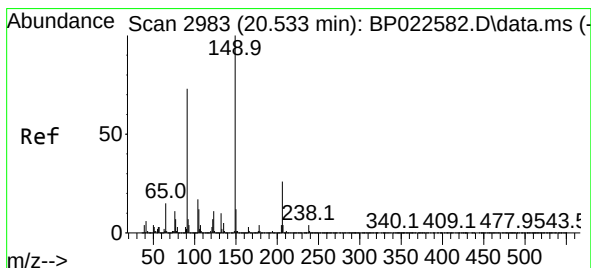
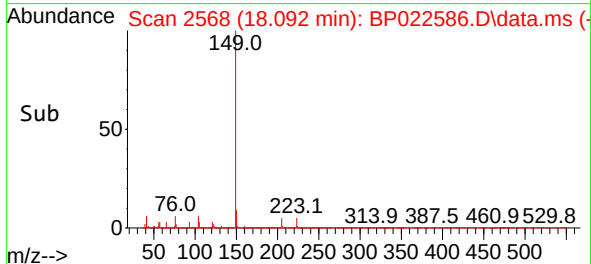
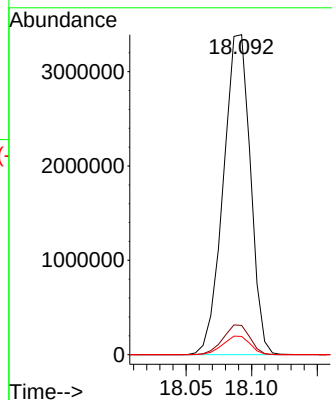
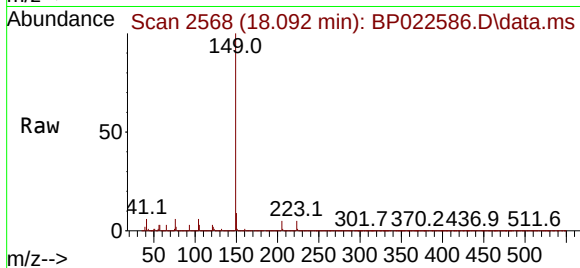
Tgt Ion:149 Resp: 4874504

Ion Ratio Lower Upper

149 100

150 9.2 7.3 10.9

104 5.7 4.8 7.2



#83

Butylbenzylphthalate

Concen: 239.769 ng/ul

RT: 20.545 min Scan# 2985

Delta R.T. 0.012 min

Lab File: BP022586.D

Acq: 24 Oct 2024 13:44

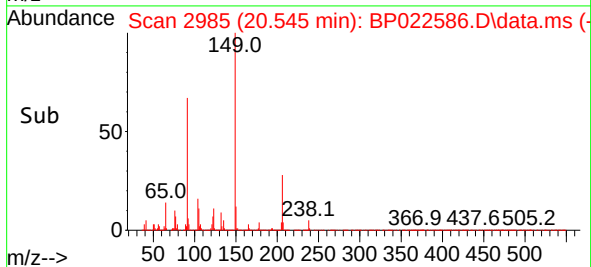
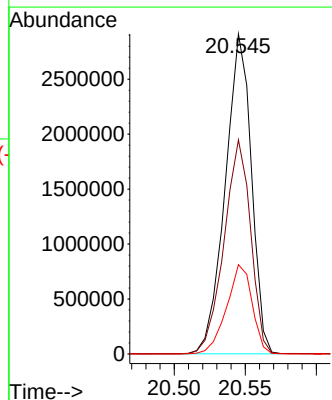
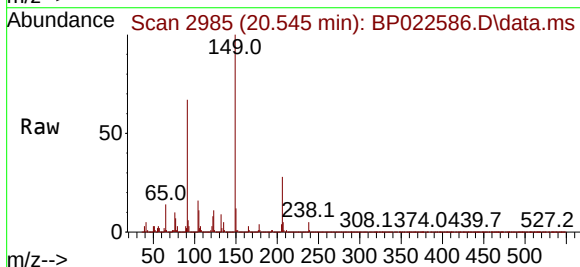
Tgt Ion:149 Resp: 3725299

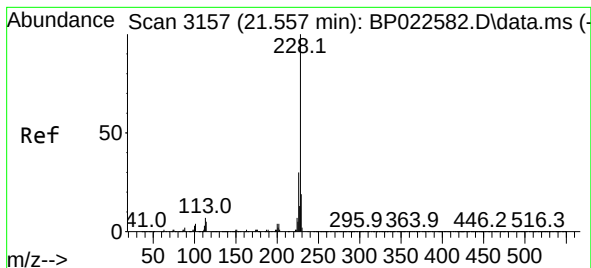
Ion Ratio Lower Upper

149 100

91 66.9 56.6 84.8

206 27.9 18.6 27.8#





#87

Chrysene

Concen: 32.796 ng/ul

RT: 21.563 min Scan# 3158

Delta R.T. 0.018 min

Lab File: BP022586.D

Acq: 24 Oct 2024 13:44

Instrument :

BNA_P

ClientSampleId :

XA103

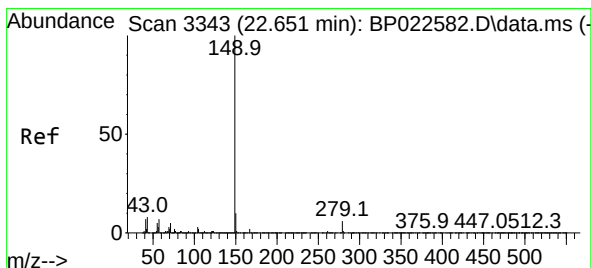
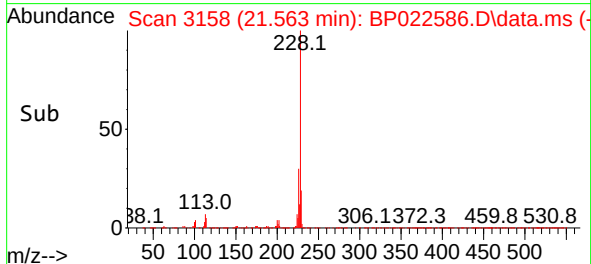
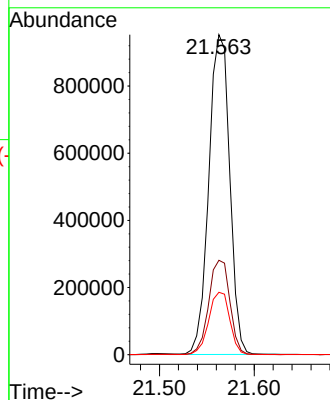
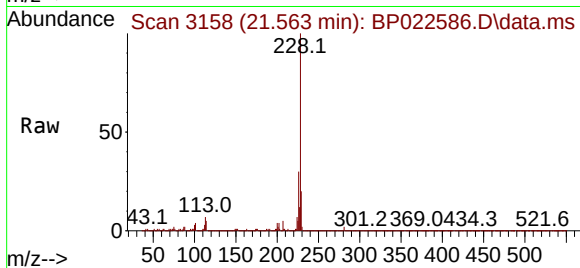
Tgt Ion:228 Resp: 1460018

Ion Ratio Lower Upper

228 100

226 29.5 23.8 35.8

229 19.5 15.5 23.3



#89

Di-n-octyl phthalate

Concen: 223.913 ng/ul

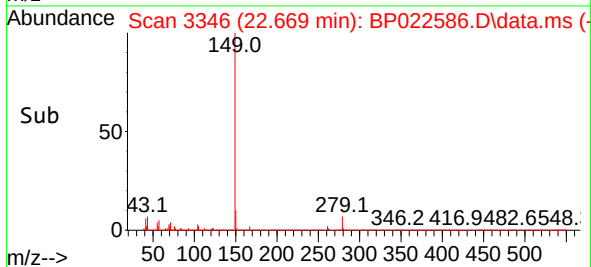
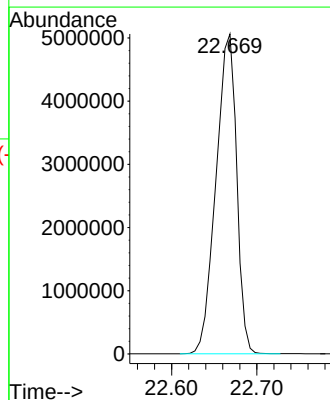
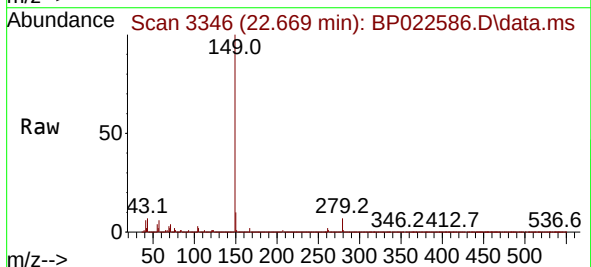
RT: 22.669 min Scan# 3346

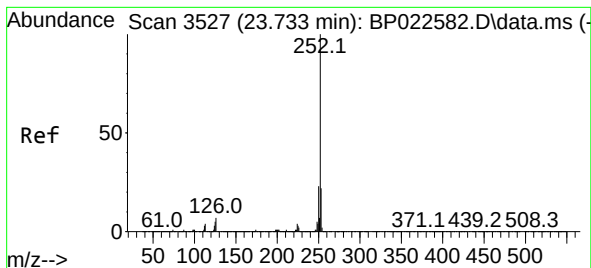
Delta R.T. 0.018 min

Lab File: BP022586.D

Acq: 24 Oct 2024 13:44

Tgt Ion:149 Resp: 8538621





#90

Benzo(b)fluoranthene

Concen: 81.160 ng/ul

RT: 23.745 min Scan# 3529

Delta R.T. 0.024 min

Lab File: BP022586.D

Acq: 24 Oct 2024 13:44

Instrument :

BNA_P

ClientSampleId :

XA103

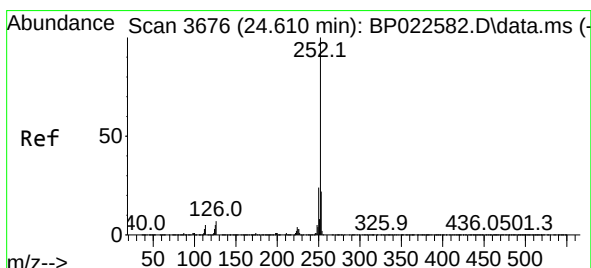
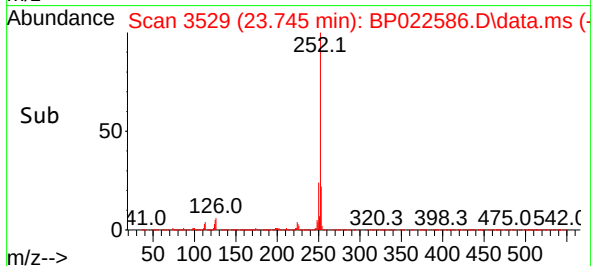
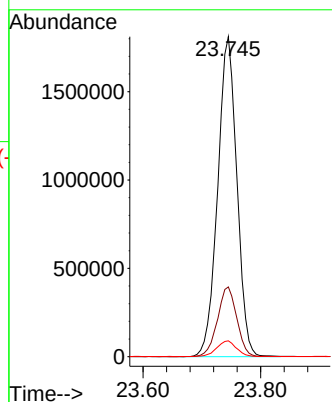
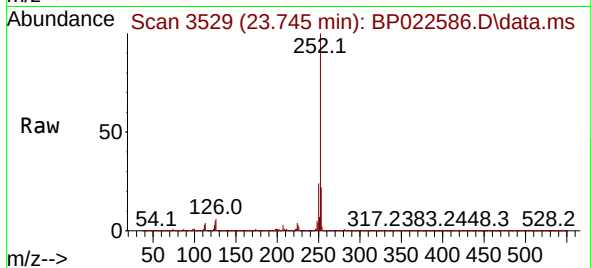
Tgt Ion:252 Resp: 4095656

Ion Ratio Lower Upper

252 100

253 21.8 17.8 26.8

125 4.9 5.0 7.4#



#93

Benzo(a)pyrene

Concen: 64.280 ng/ul

RT: 24.627 min Scan# 3679

Delta R.T. 0.024 min

Lab File: BP022586.D

Acq: 24 Oct 2024 13:44

Tgt Ion:252 Resp: 2985443

Ion Ratio Lower Upper

252 100

253 21.8 17.7 26.5

125 5.9 4.9 7.3

