

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP011924\
 Data File : BP019399.D
 Acq On : 19 Jan 2024 11:37
 Operator : MA/JU
 Sample : P1160-09DL 5X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 XA318DL

Quant Time: Jan 19 12:06:39 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP010824.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Jan 09 03:05:24 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.764	152	125799	20.000	ng/u1	-0.02
20) Naphthalene-d8	10.563	136	509639	20.000	ng/u1	-0.02
38) Acenaphthene-d10	14.416	164	370888	20.000	ng/u1	-0.01
64) Phenanthrene-d10	17.181	188	906065	20.000	ng/u1	0.00
79) Chrysene-d12	21.286	240	849628	20.000	ng/u1	0.00
88) Perylene-d12	23.645	264	868342	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.217	96	2743	0.825	ng/uL	0.00
4) Pyridine-d5	0.000	84	0d	0.000	ng/u1	
7) Phenol-d5	6.952	99	52606	4.375	ng/u1	-0.02
9) Bis-(2-Chloroethyl)eth...	7.105	67	33664	4.681	ng/u1	-0.02
11) 2-Chlorophenol-d4	7.299	132	39209	4.747	ng/u1	-0.02
15) 4-Methylphenol-d8	8.499	113	42483	4.454	ng/u1	-0.02
21) Nitrobenzene-d5	8.934	128	20583	4.801	ng/u1	-0.02
24) 2-Nitrophenol-d4	9.652	143	22945	4.606	ng/u1	-0.02
28) 2,4-Dichlorophenol-d3	10.199	165	52502	5.216	ng/u1	-0.01
31) 4-Chloroaniline-d4	10.722	131	42279	3.326	ng/u1	0.00
46) Dimethylphthalate-d6	13.840	166	180723	5.515	ng/u1	0.00
49) Acenaphthylene-d8	14.110	160	191426	5.450	ng/u1	-0.01
54) 4-Nitrophenol-d4	14.669	143	21088	4.191	ng/u1	0.00
60) Fluorene-d10	15.416	176	160151	5.970	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.557	200	23874	3.569	ng/u1	0.00
73) Anthracene-d10	17.275	188	257266	5.693	ng/u1	-0.01
81) Pyrene-d10	19.528	212	327121	5.905	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.492	264	281395	5.960	ng/u1	0.00
Target Compounds						
					Qvalue	
8) Phenol	6.981	94	356343	29.418	ng/u1	100
10) Bis(2-Chloroethyl)ether	7.199	93	89987	9.262	ng/u1	97
12) 2-Chlorophenol	7.334	128	169063	19.804	ng/u1	97
17) N-Nitroso-di-n-propyla...	8.581	70	220439	27.845	ng/u1	98
19) Hexachloroethane	8.834	117	106331	27.576	ng/u1	96
22) Nitrobenzene	8.975	77	110495	9.212	ng/u1	99
25) 2-Nitrophenol	9.687	139	63828	12.197	ng/u1	97
27) Bis(2-Chloroethoxy)met...	9.987	93	198385	14.834	ng/u1	98
29) 2,4-Dichlorophenol	10.228	162	120637	12.437	ng/u1	99
30) Naphthalene	10.610	128	986041	34.336	ng/u1	99
35) 4-Chloro-3-methylphenol	11.881	107	247773	23.009	ng/u1	96
41) 2,4,6-Trichlorophenol	12.852	196	142685	14.426	ng/u1	98
42) 2,4,5-Trichlorophenol	12.928	196	323482	30.519	ng/u1	97
44) 2-Chloronaphthalene	13.293	162	358662	14.475	ng/u1	99
48) 2,6-Dinitrotoluene	14.016	165	307411	47.738	ng/u1	99
50) Acenaphthylene	14.140	152	1339036	34.806	ng/u1	100
52) Acenaphthene	14.481	153	659859	26.177	ng/u1	99
55) 4-Nitrophenol	14.681	109	147825	27.205	ng/u1	98
57) 2,4-Dinitrotoluene	14.804	165	241481	26.727	ng/u1	94
59) Diethylphthalate	15.251	149	1272496	41.756	ng/u1	100
61) Fluorene	15.469	166	309935	10.485	ng/u1	99
62) 4-Chlorophenyl-phenyle...	15.469	204	561468	31.829	ng/u1	99
69) Hexachlorobenzene	16.481	284	700835	49.136	ng/u1	96
71) Pentachlorophenol	16.834	266	339577	38.333	ng/u1	99

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QLast Update : Tue Jan 09 03:05:24 2024
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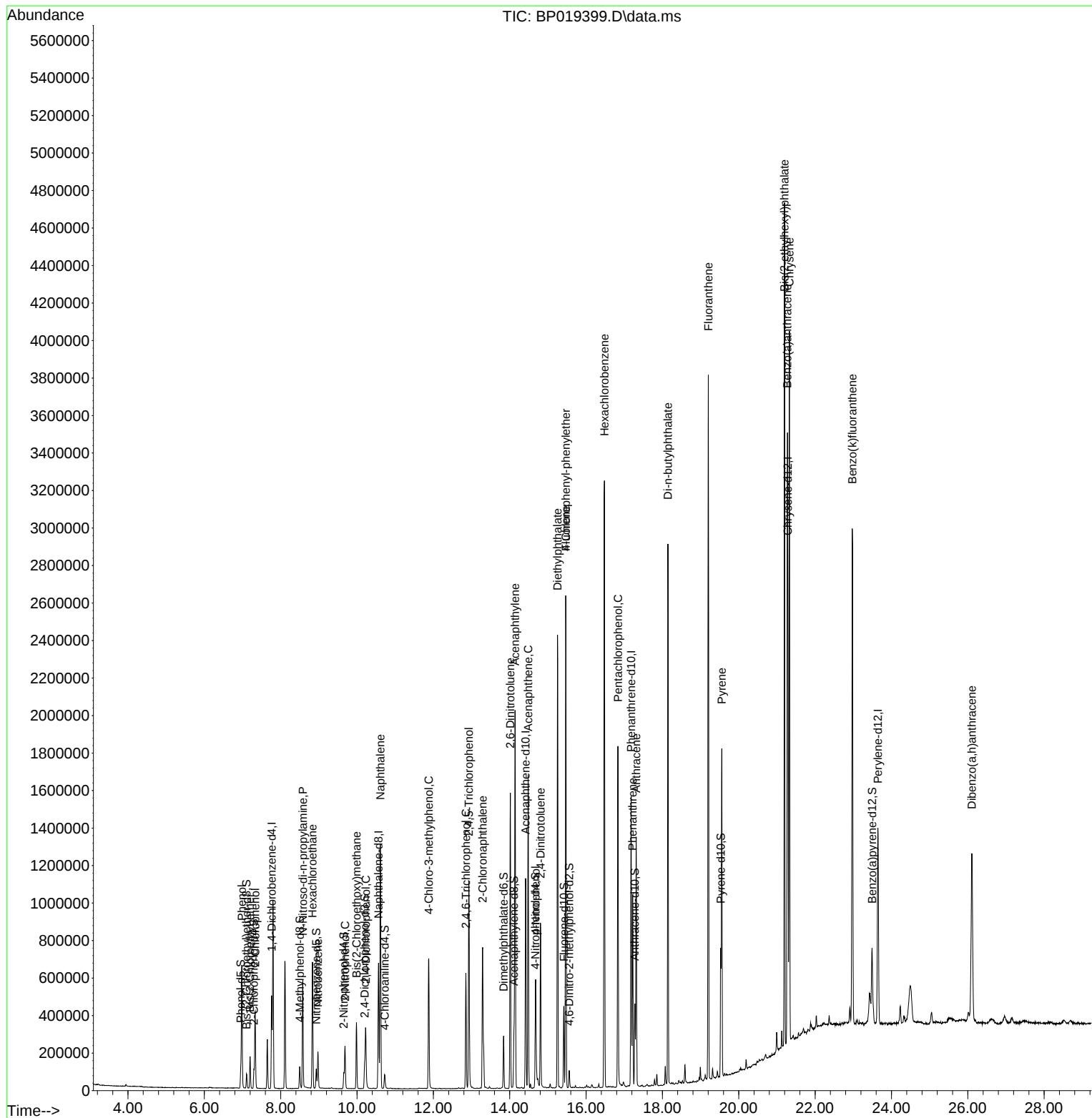
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
72) Phenanthrene	17.222	178	585716	11.508	ng/ul	99
74) Anthracene	17.316	178	828934	16.066	ng/ul	100
78) Di-n-butylphthalate	18.145	149	1927522	36.693	ng/ul	99
80) Fluoranthene	19.204	202	2256586	34.459	ng/ul	99
82) Pyrene	19.557	202	1051152	15.815	ng/ul	99
85) Benzo(a)anthracene	21.275	228	1556343	23.531	ng/ul	100
86) Bis(2-ethylhexyl)phtha...	21.198	149	1491142	45.556	ng/ul	99
87) Chrysene	21.328	228	1984811	32.829	ng/ul	99
91) Benzo(k)fluoranthene	22.975	252	2045407	33.977	ng/ul	99
95) Dibenzo(a,h)anthracene	26.104	278	1122768	20.567	ng/ul	99

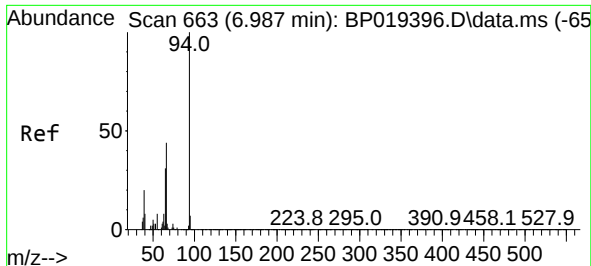
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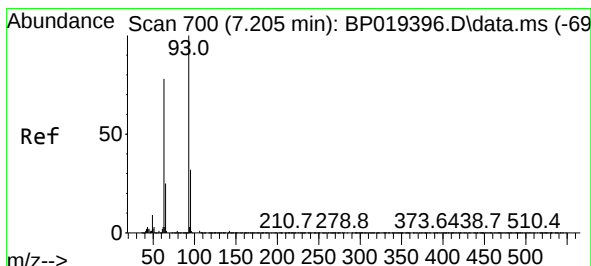
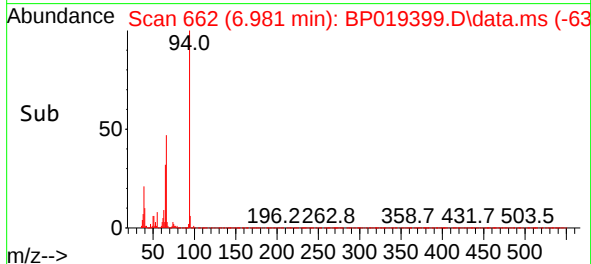
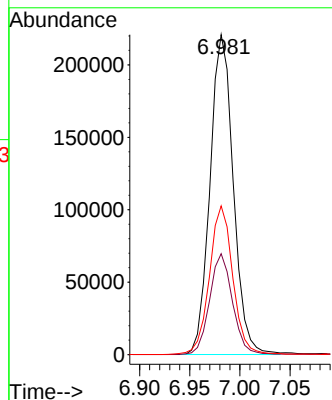
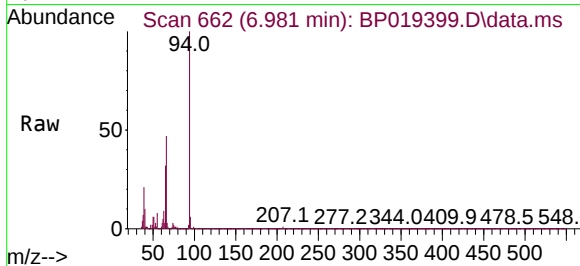




#8
Phenol
Concen: 29.418 ng/ul
RT: 6.981 min Scan# 60
Delta R.T. -0.018 min
Lab File: BP019399.D
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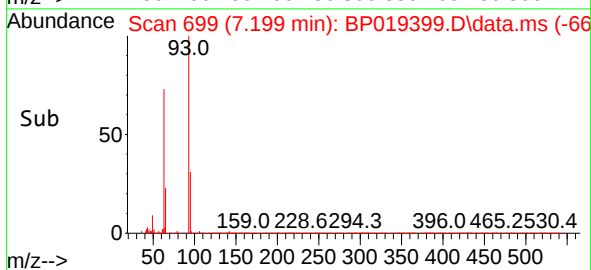
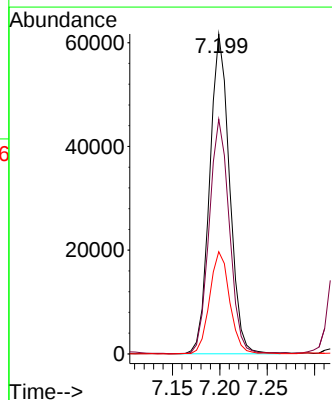
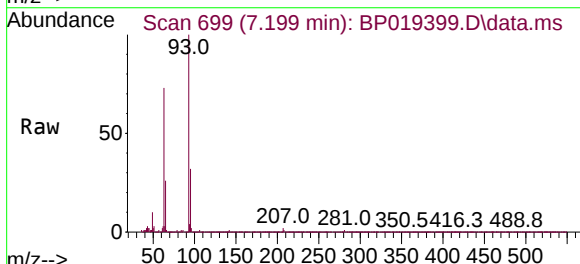
Instrument :
BNA_P
ClientSampleId :
XA318DL

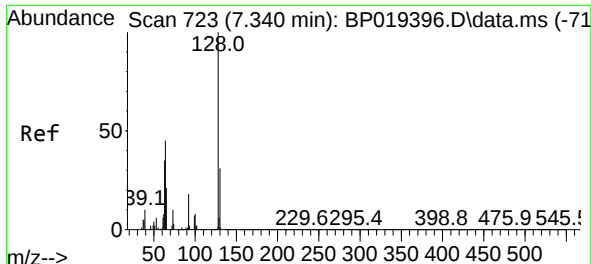
Tgt Ion: 94 Resp: 356343
Ion Ratio Lower Upper
94 100
65 31.6 25.3 37.9
66 46.5 36.8 55.2



#10
Bis(2-Chloroethyl)ether
Concen: 9.262 ng/ul
RT: 7.199 min Scan# 699
Delta R.T. -0.017 min
Lab File: BP019399.D
Acq: 19 Jan 2024 11:37

Tgt Ion: 93 Resp: 89987
Ion Ratio Lower Upper
93 100
63 73.3 60.7 91.1
95 31.9 26.2 39.2

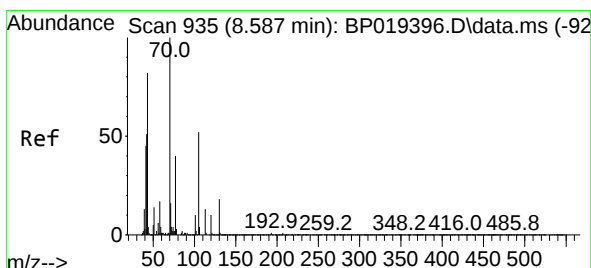
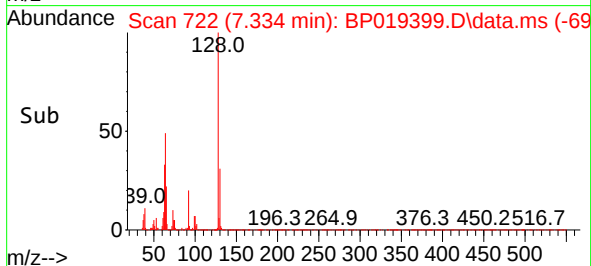
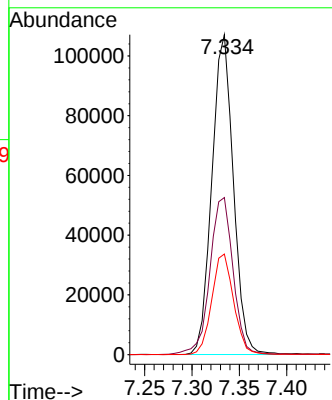
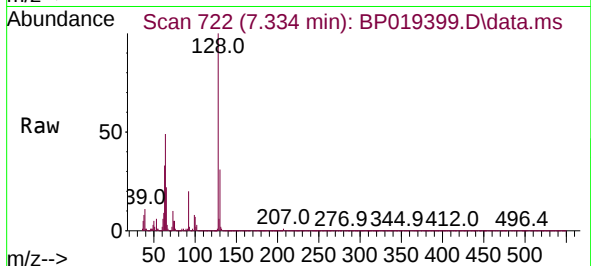




#12
2-Chlorophenol
Concen: 19.804 ng/ul
RT: 7.334 min Scan# 721
Delta R.T. -0.018 min
Lab File: BP019399.D
Acq: 19 Jan 2024 11:37

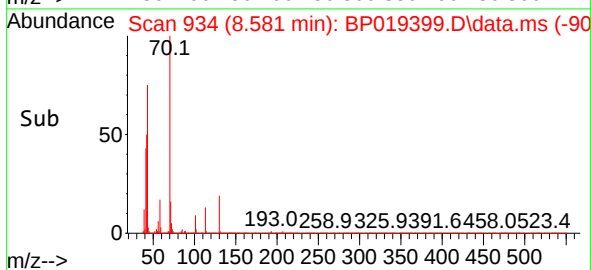
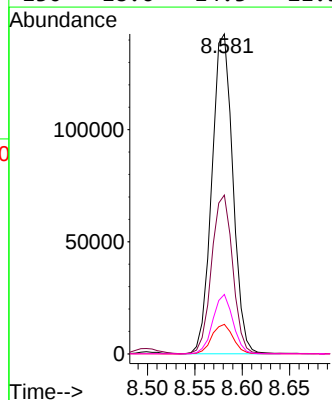
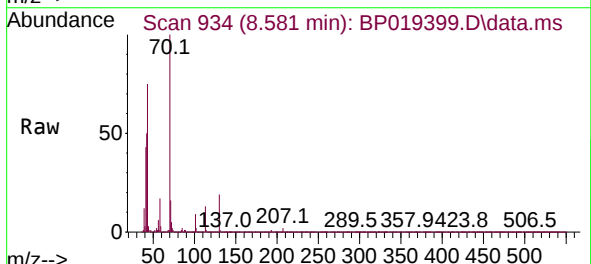
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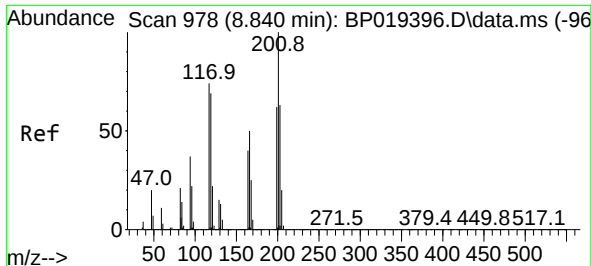
Tgt Ion:128 Resp: 169063
Ion Ratio Lower Upper
128 100
64 49.1 41.3 61.9
130 31.4 25.9 38.9



#17
N-Nitroso-di-n-propylamine
Concen: 27.845 ng/ul
RT: 8.581 min Scan# 934
Delta R.T. -0.018 min
Lab File: BP019399.D
Acq: 19 Jan 2024 11:37

Tgt Ion: 70 Resp: 220439
Ion Ratio Lower Upper
70 100
42 49.6 38.5 57.7
101 9.2 7.9 11.9
130 18.6 14.3 21.5

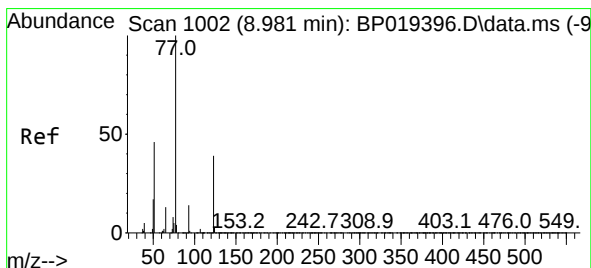
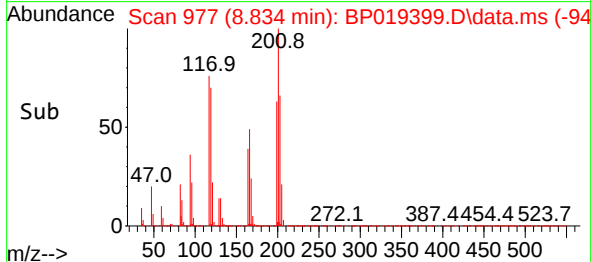
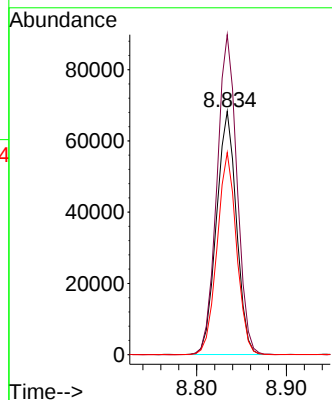
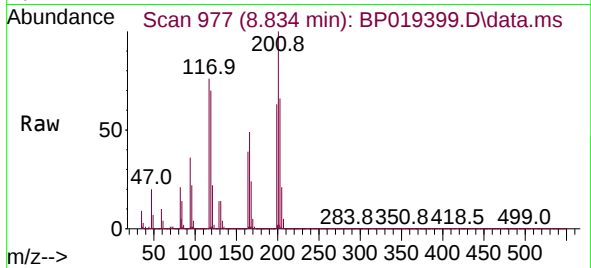




#19
Hexachloroethane
Concen: 27.576 ng/ul
RT: 8.834 min Scan# 91
Delta R.T. -0.018 min
Lab File: BP019399.D
Acq: 19 Jan 2024 11:37

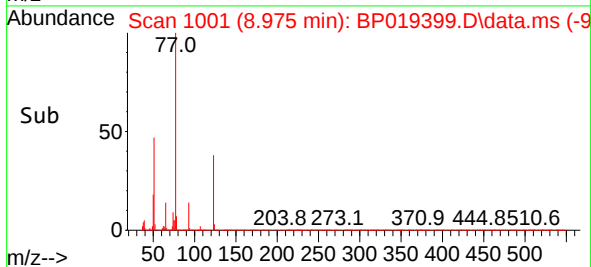
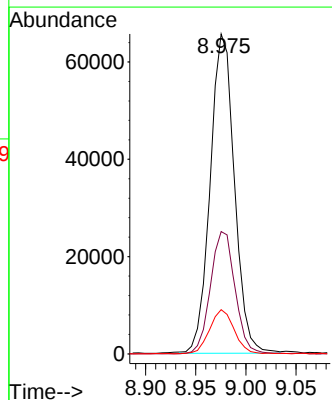
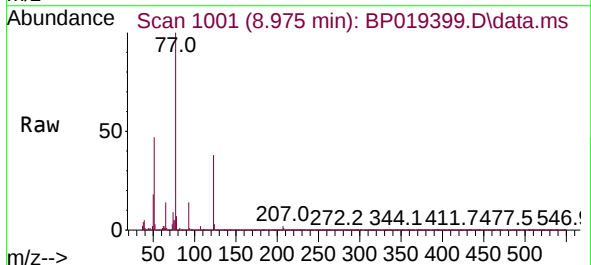
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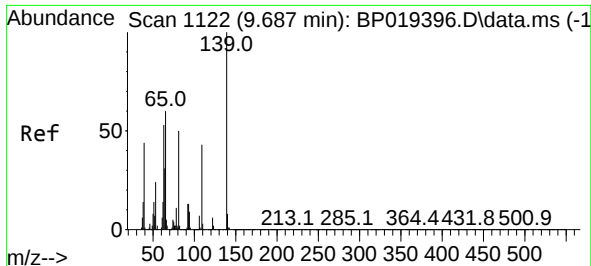
Tgt Ion:117 Resp: 106331
Ion Ratio Lower Upper
117 100
201 131.5 101.8 152.6
199 83.0 62.6 93.8



#22
Nitrobenzene
Concen: 9.212 ng/ul
RT: 8.975 min Scan# 1001
Delta R.T. -0.017 min
Lab File: BP019399.D
Acq: 19 Jan 2024 11:37

Tgt Ion: 77 Resp: 110495
Ion Ratio Lower Upper
77 100
123 38.2 30.0 45.0
65 13.8 10.5 15.7

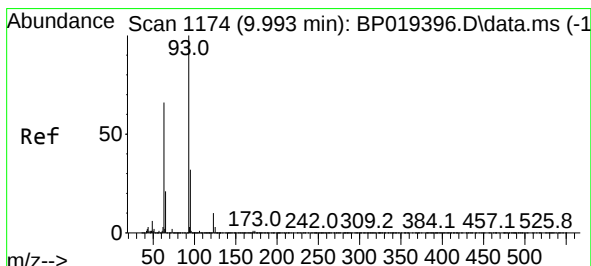
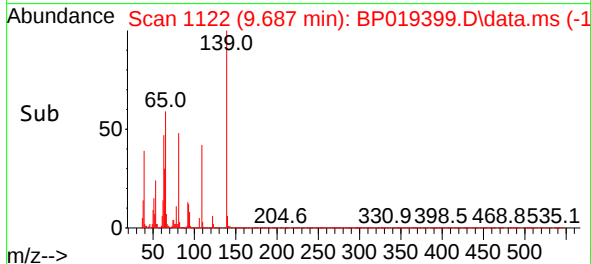
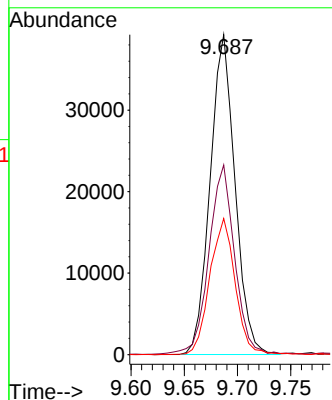
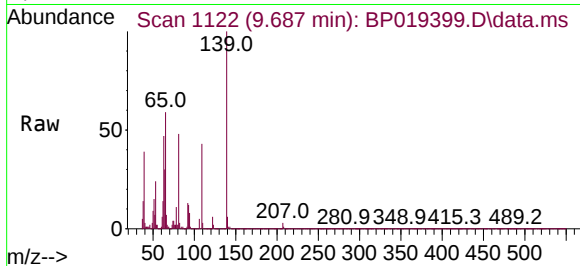




#25
2-Nitrophenol
Concen: 12.197 ng/ul
RT: 9.687 min Scan# 1122
Delta R.T. -0.018 min
Lab File: BP019399.D
Acq: 19 Jan 2024 11:37

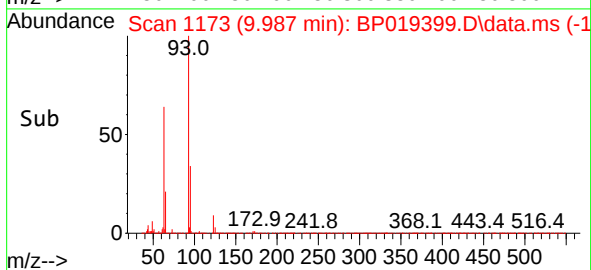
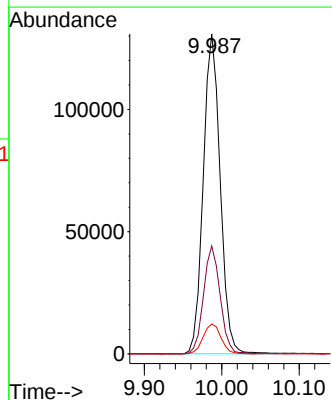
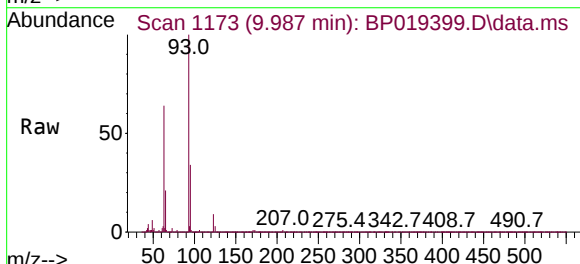
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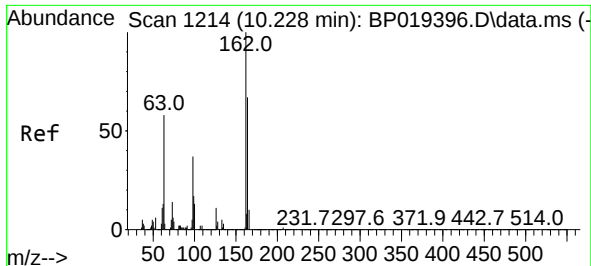
Tgt Ion:139	Resp:	63828
Ion	Ratio	Lower Upper
139	100	
65	59.3	45.6 68.4
109	42.5	32.6 49.0



#27
Bis(2-Chloroethoxy)methane
Concen: 14.834 ng/ul
RT: 9.987 min Scan# 1173
Delta R.T. -0.018 min
Lab File: BP019399.D
Acq: 19 Jan 2024 11:37

Tgt Ion: 93	Resp:	198385
Ion	Ratio	Lower Upper
93	100	
95	33.7	25.9 38.9
123	9.3	7.9 11.9





#29

2,4-Dichlorophenol

Concen: 12.437 ng/ul

RT: 10.228 min Scan# 1214

Delta R.T. -0.012 min

Lab File: BP019399.D

Acq: 19 Jan 2024 11:37

Instrument :

BNA_P

ClientSampleId :

XA318DL

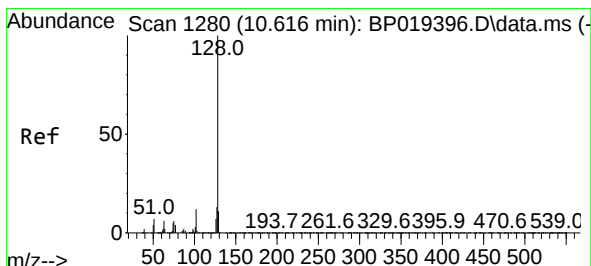
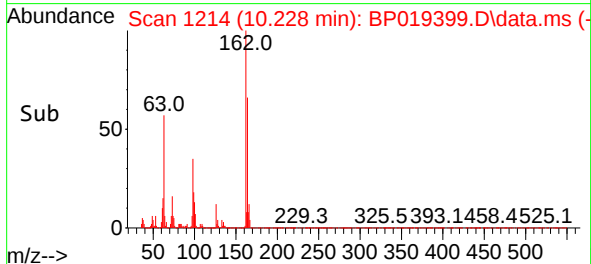
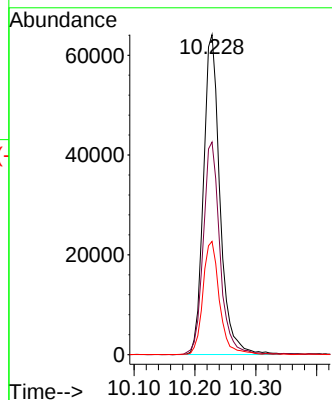
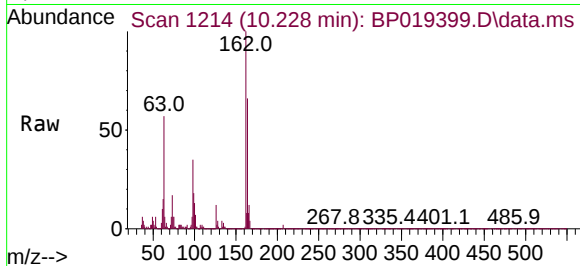
Tgt Ion:162 Resp: 120637

Ion Ratio Lower Upper

162 100

164 66.4 52.3 78.5

98 35.4 28.3 42.5



#30

Naphthalene

Concen: 34.336 ng/ul

RT: 10.610 min Scan# 1279

Delta R.T. -0.018 min

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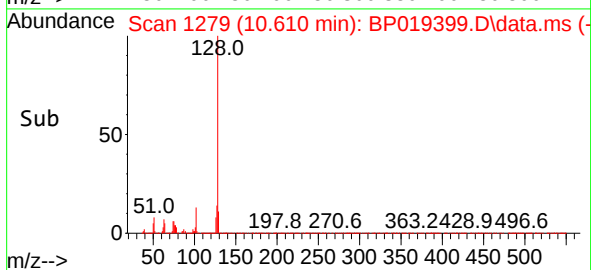
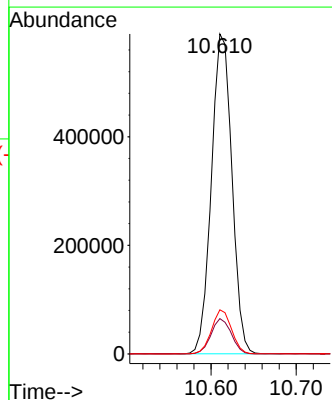
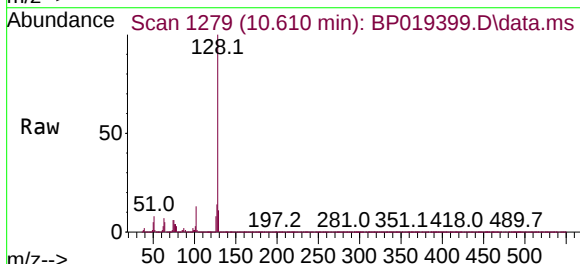
Tgt Ion:128 Resp: 986041

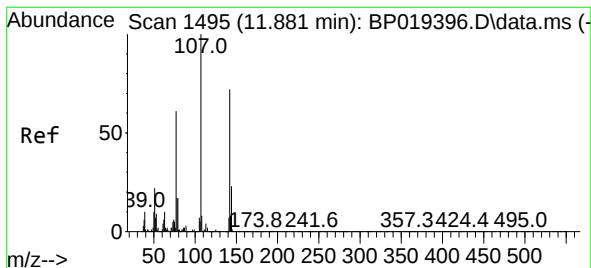
Ion Ratio Lower Upper

128 100

129 11.0 8.6 12.8

127 13.8 10.6 15.8

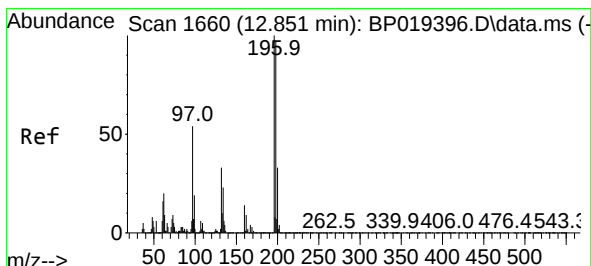
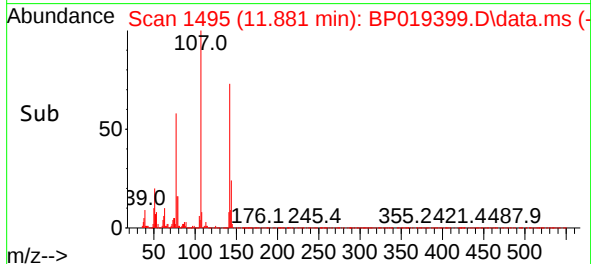
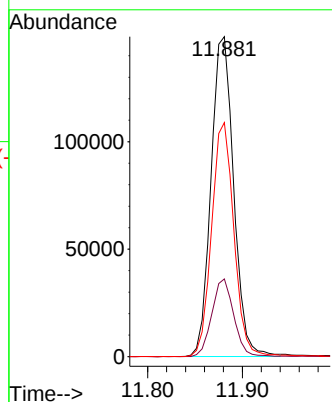
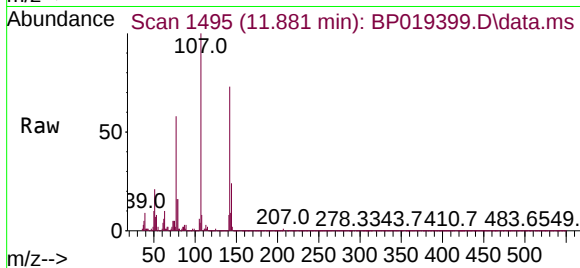




#35
4-Chloro-3-methylphenol
Concen: 23.009 ng/ul
RT: 11.881 min Scan# 1495
Delta R.T. -0.012 min
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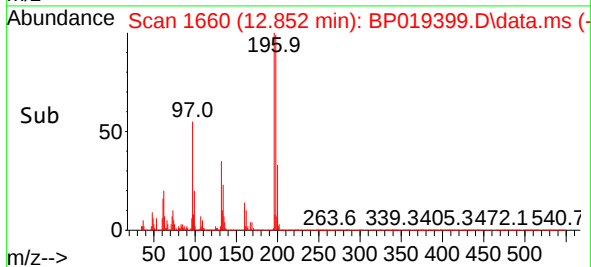
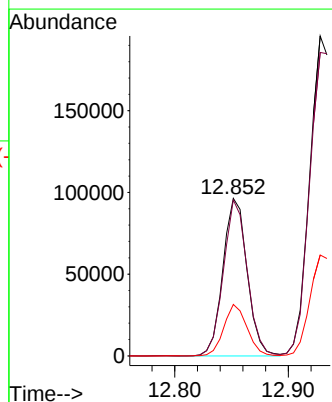
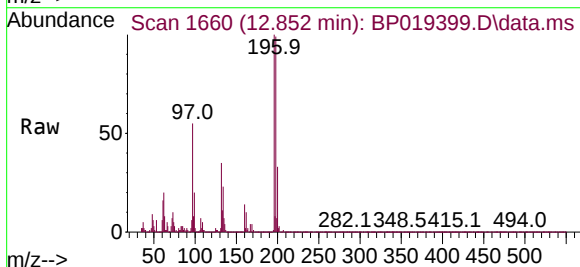
Instrument :
BNA_P
ClientSampleId :
XA318DL

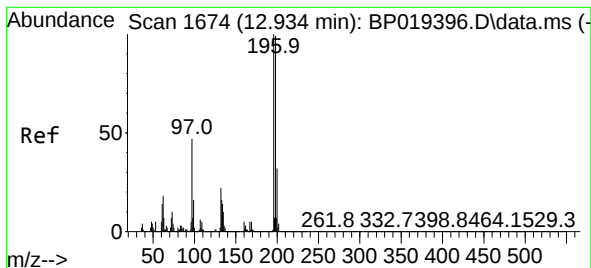
Tgt Ion:107 Resp: 247773
Ion Ratio Lower Upper
107 100
144 24.3 17.8 26.8
142 73.1 56.3 84.5



#41
2,4,6-Trichlorophenol
Concen: 14.426 ng/ul
RT: 12.852 min Scan# 1660
Delta R.T. -0.012 min
Lab File: BP019399.D
Acq: 19 Jan 2024 11:37

Tgt Ion:196 Resp: 142685
Ion Ratio Lower Upper
196 100
198 99.0 78.2 117.2
200 32.7 24.6 36.8





#42

2,4,5-Trichlorophenol

Concen: 30.519 ng/ul

RT: 12.928 min Scan# 1673

Delta R.T. -0.017 min

Lab File: BP019399.D

Acq: 19 Jan 2024 11:37

Instrument :

BNA_P

ClientSampleId :

XA318DL

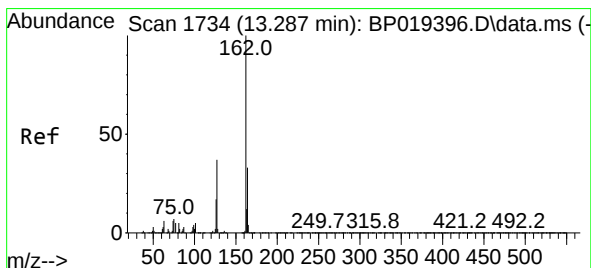
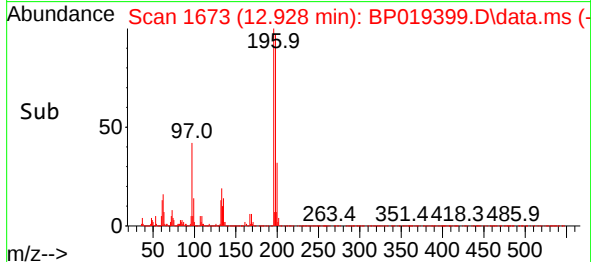
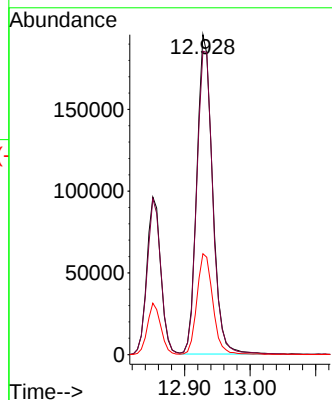
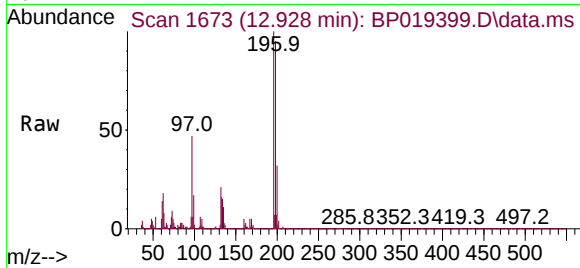
Tgt Ion:196 Resp: 323482

Ion Ratio Lower Upper

196 100

198 94.8 78.9 118.3

200 31.5 25.0 37.6



#44

2-Chloronaphthalene

Concen: 14.475 ng/ul

RT: 13.293 min Scan# 1735

Delta R.T. -0.012 min

Lab File: BP019399.D

Acq: 19 Jan 2024 11:37

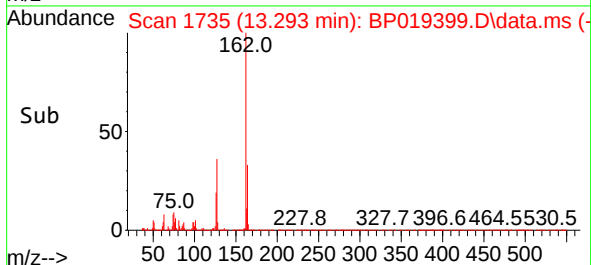
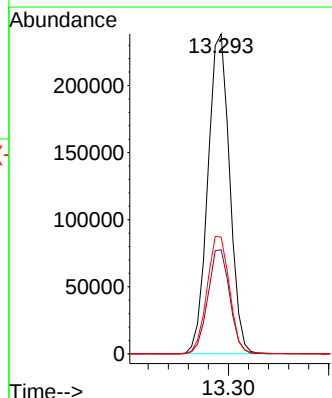
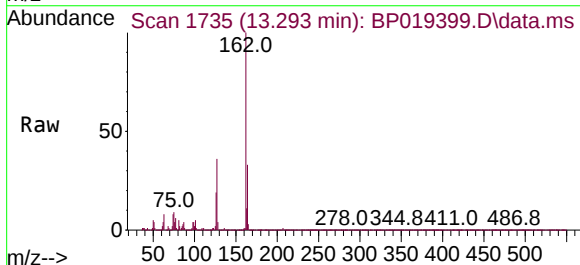
Tgt Ion:162 Resp: 358662

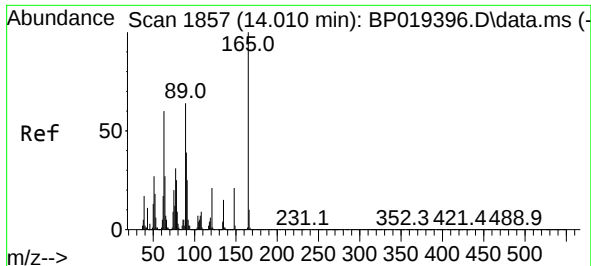
Ion Ratio Lower Upper

162 100

164 32.5 26.6 40.0

127 36.5 29.4 44.2

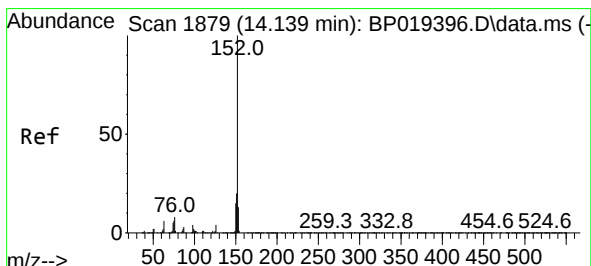
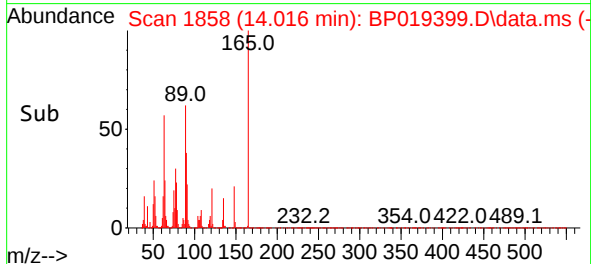
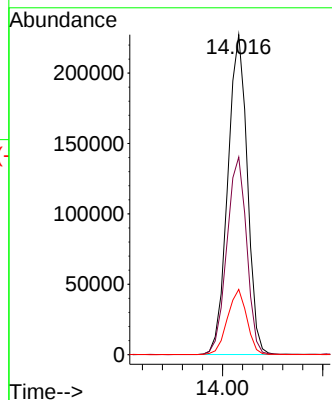
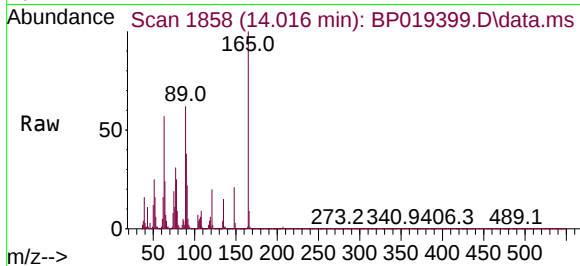




#48
2,6-Dinitrotoluene
Concen: 47.738 ng/ul
RT: 14.016 min Scan# 1857
Delta R.T. -0.006 min
Lab File: BP019399.D
Acq: 19 Jan 2024 11:37

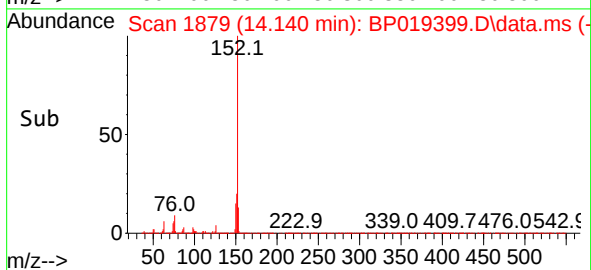
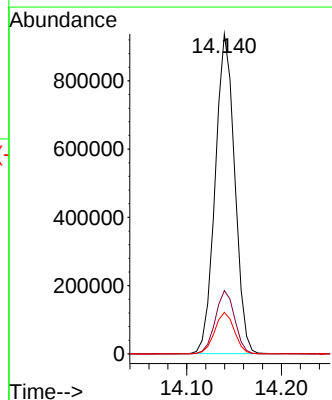
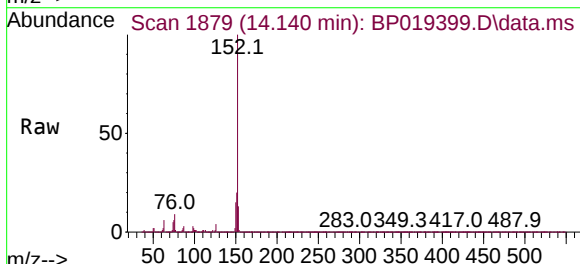
Instrument :
BNA_P
ClientSampleId :
XA318DL

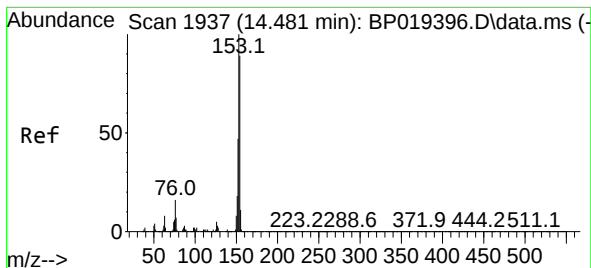
Tgt Ion:165 Resp: 307411
Ion Ratio Lower Upper
165 100
89 61.7 49.9 74.9
121 20.4 16.5 24.7



#50
Acenaphthylene
Concen: 34.806 ng/ul
RT: 14.140 min Scan# 1879
Delta R.T. -0.012 min
Lab File: BP019399.D
Acq: 19 Jan 2024 11:37

Tgt Ion:152 Resp: 1339036
Ion Ratio Lower Upper
152 100
151 19.8 15.8 23.6
153 13.0 10.3 15.5





#52

Acenaphthene

Concen: 26.177 ng/ul

RT: 14.481 min Scan# 1937

Delta R.T. -0.012 min

Lab File: BP019399.D

Acq: 19 Jan 2024 11:37

Instrument :

BNA_P

ClientSampleId :

XA318DL

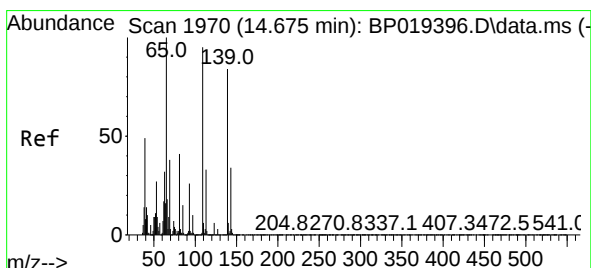
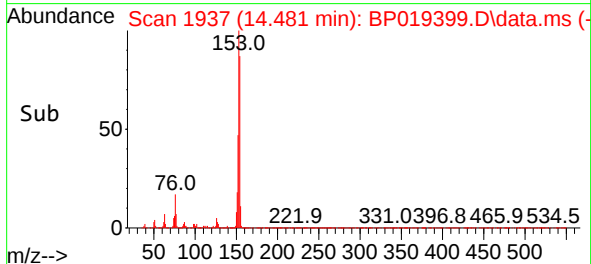
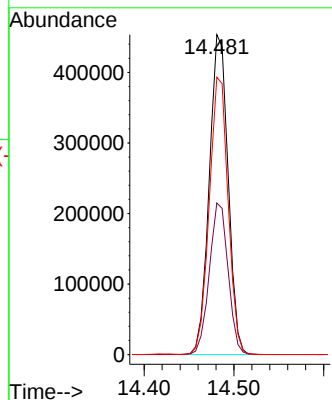
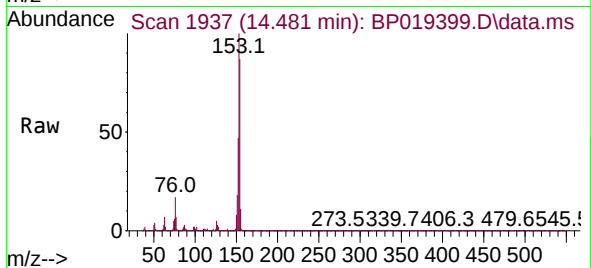
Tgt Ion:153 Resp: 659859

Ion Ratio Lower Upper

153 100

152 47.4 38.2 57.2

154 86.7 68.9 103.3



#55

4-Nitrophenol

Concen: 27.205 ng/ul

RT: 14.681 min Scan# 1971

Delta R.T. 0.000 min

Lab File: BP019399.D

Acq: 19 Jan 2024 11:37

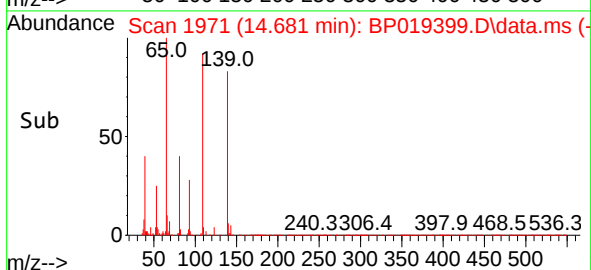
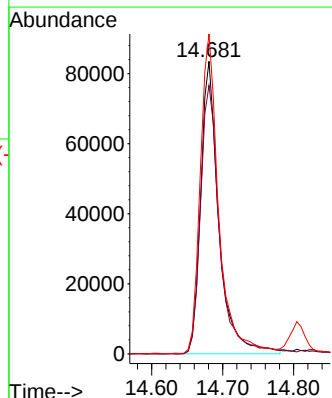
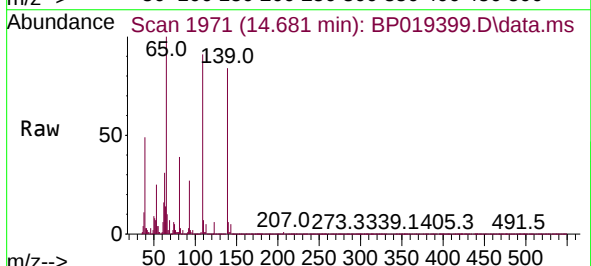
Tgt Ion:109 Resp: 147825

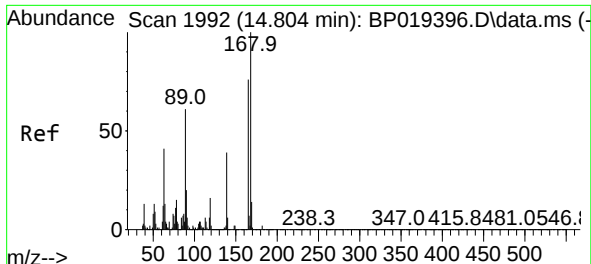
Ion Ratio Lower Upper

109 100

139 91.8 73.2 109.8

65 109.4 90.9 136.3

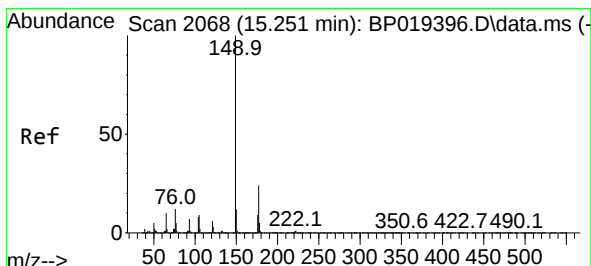
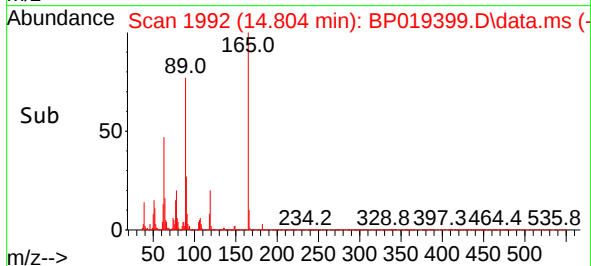
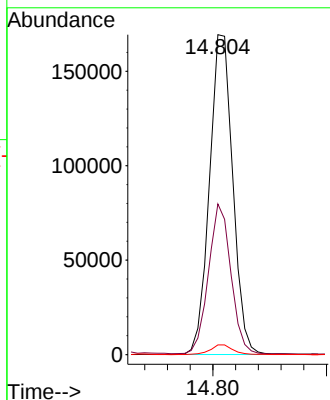
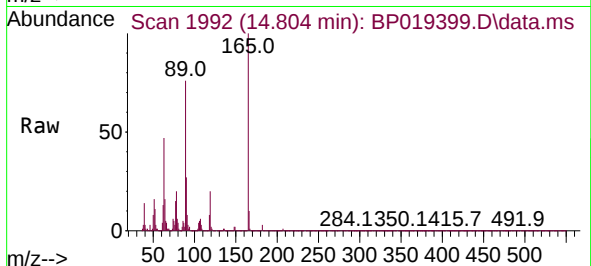




#57
2,4-Dinitrotoluene
Concen: 26.727 ng/ul
RT: 14.804 min Scan# 1992
Delta R.T. -0.012 min
Lab File: BP019399.D
Acq: 19 Jan 2024 11:37

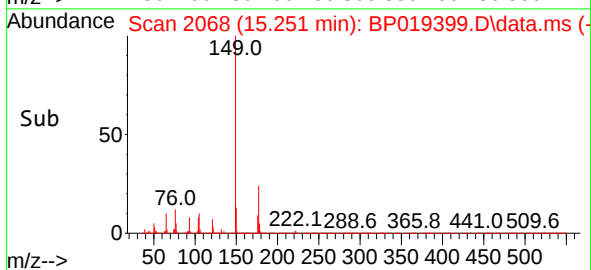
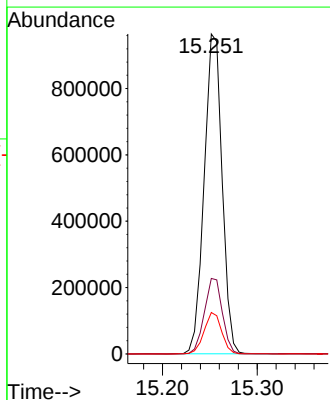
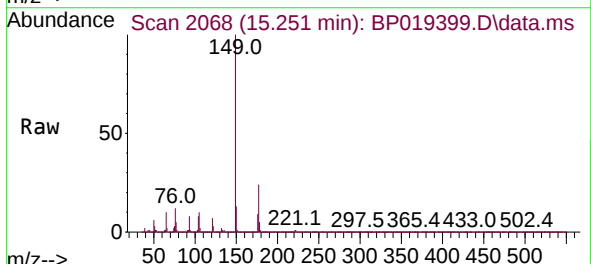
Instrument :
BNA_P
ClientSampleId :
XA318DL

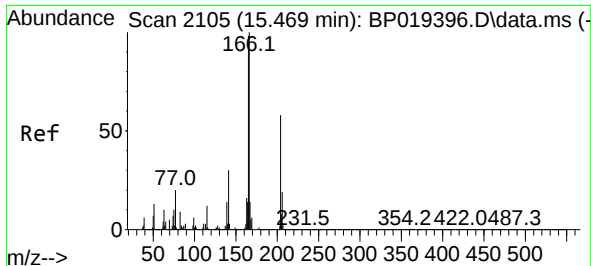
Tgt Ion:165 Resp: 241481
Ion Ratio Lower Upper
165 100
63 47.1 41.3 61.9
182 3.0 2.4 3.6



#59
Diethylphthalate
Concen: 41.756 ng/ul
RT: 15.251 min Scan# 2068
Delta R.T. -0.006 min
Lab File: BP019399.D
Acq: 19 Jan 2024 11:37

Tgt Ion:149 Resp: 1272496
Ion Ratio Lower Upper
149 100
177 23.6 18.8 28.2
150 12.9 10.2 15.4

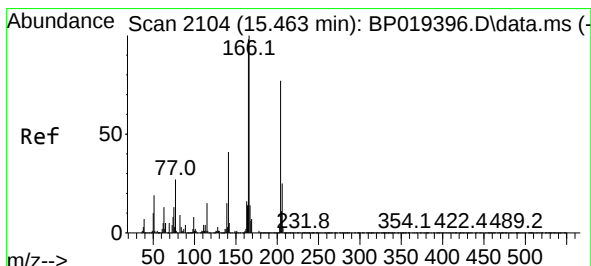
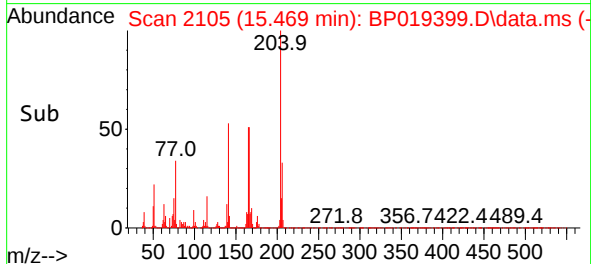
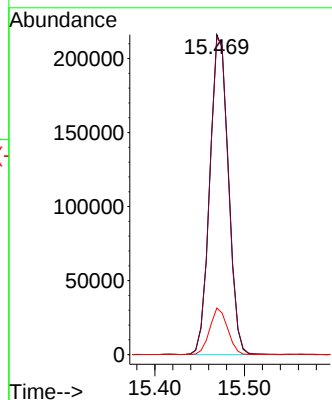
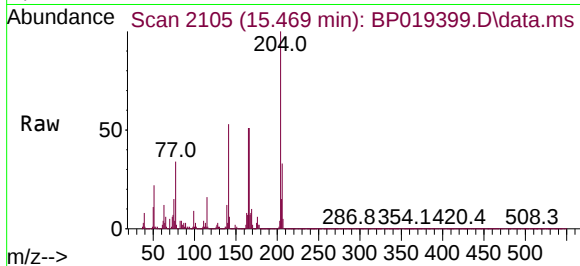




#61
Fluorene
Concen: 10.485 ng/ul
RT: 15.469 min Scan# 2105
Delta R.T. -0.012 min
Lab File: BP019399.D
Acq: 19 Jan 2024 11:37

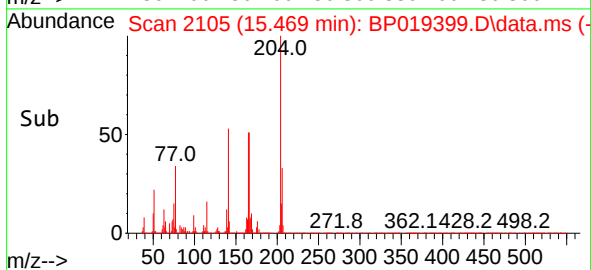
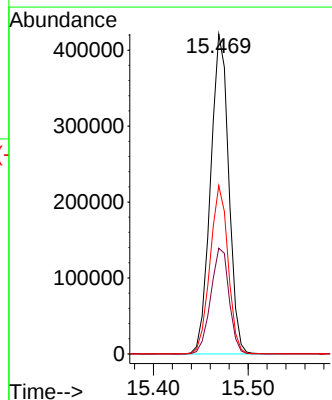
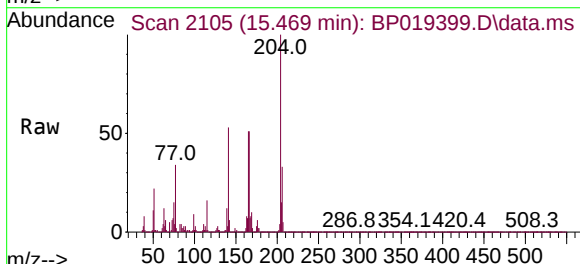
Instrument :
BNA_P
ClientSampleId :
XA318DL

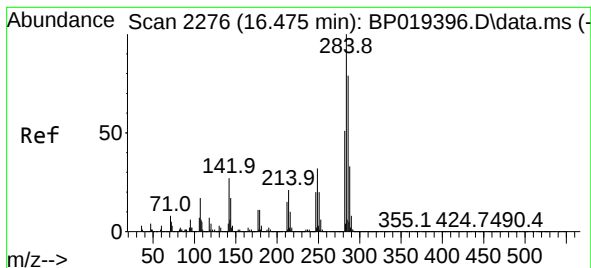
Tgt Ion:166 Resp: 309935
Ion Ratio Lower Upper
166 100
165 99.1 78.6 118.0
167 14.5 10.6 15.8



#62
4-Chlorophenyl-phenylether
Concen: 31.829 ng/ul
RT: 15.469 min Scan# 2105
Delta R.T. -0.006 min
Lab File: BP019399.D
Acq: 19 Jan 2024 11:37

Tgt Ion:204 Resp: 561468
Ion Ratio Lower Upper
204 100
206 33.0 27.0 40.4
141 52.6 41.5 62.3





#69

Hexachlorobenzene

Concen: 49.136 ng/ul

RT: 16.481 min Scan# 21

Delta R.T. 0.000 min

Lab File: BP019399.D

Acq: 19 Jan 2024 11:37

Instrument :

BNA_P

ClientSampleId :

XA318DL

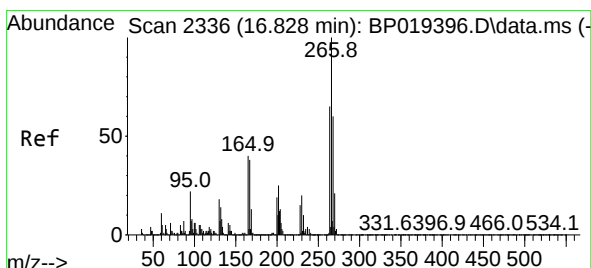
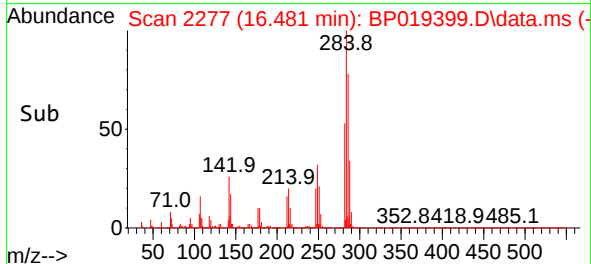
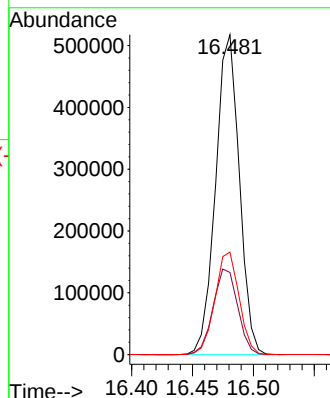
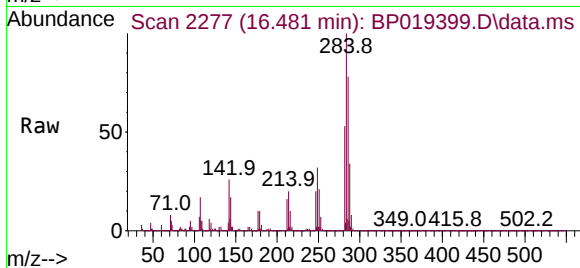
Tgt Ion:284 Resp: 700835

Ion Ratio Lower Upper

284 100

142 25.7 23.6 35.4

249 32.0 26.1 39.1



#71

Pentachlorophenol

Concen: 38.333 ng/ul

RT: 16.834 min Scan# 2337

Delta R.T. -0.006 min

Lab File: BP019399.D

Acq: 19 Jan 2024 11:37

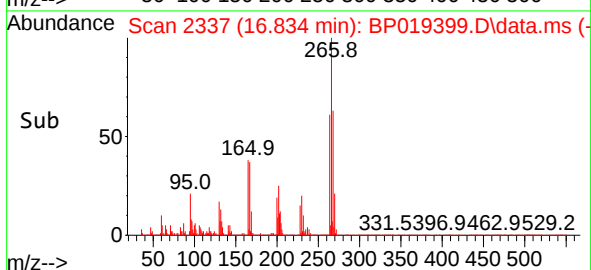
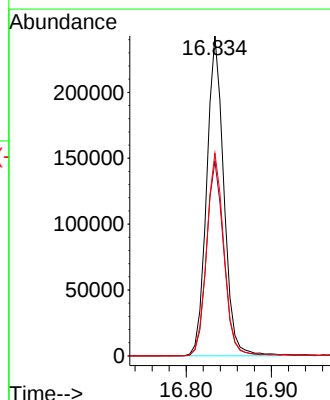
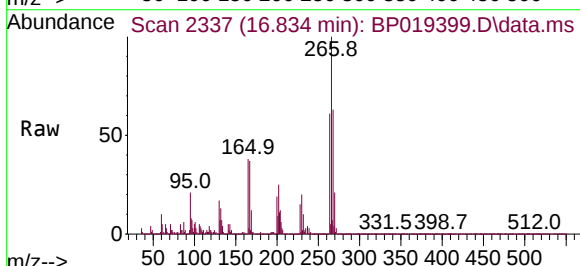
Tgt Ion:266 Resp: 339577

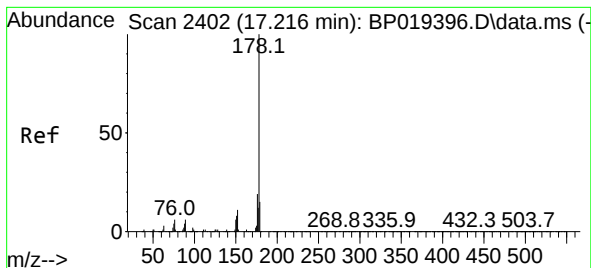
Ion Ratio Lower Upper

266 100

264 60.8 49.4 74.2

268 63.3 51.6 77.4





#72

Phenanthrene

Concen: 11.508 ng/ul

RT: 17.222 min Scan# 2403

Delta R.T. -0.006 min

Lab File: BP019399.D

Acq: 19 Jan 2024 11:37

Instrument :

BNA_P

ClientSampleId :

XA318DL

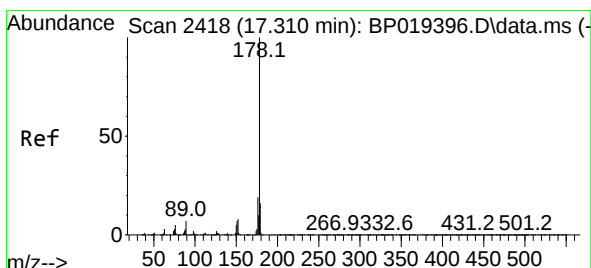
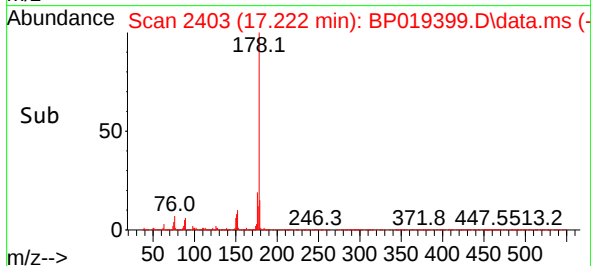
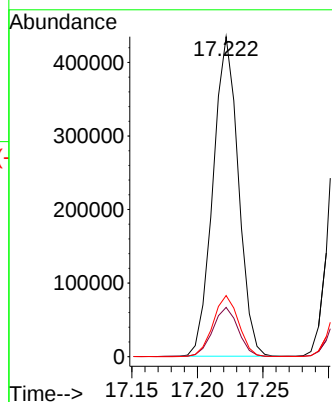
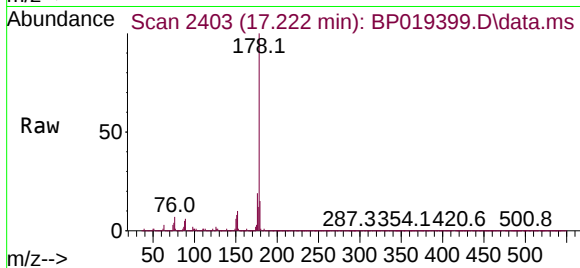
Tgt Ion:178 Resp: 585716

Ion Ratio Lower Upper

178 100

179 15.4 12.1 18.1

176 19.1 15.4 23.2



#74

Anthracene

Concen: 16.066 ng/ul

RT: 17.316 min Scan# 2419

Delta R.T. 0.000 min

Lab File: BP019399.D

Acq: 19 Jan 2024 11:37

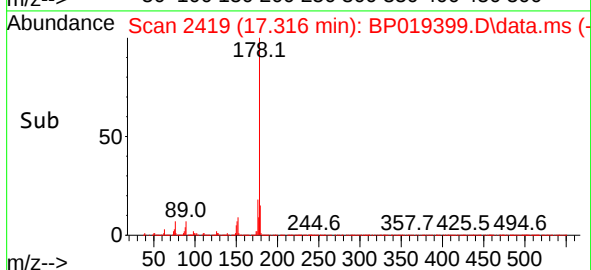
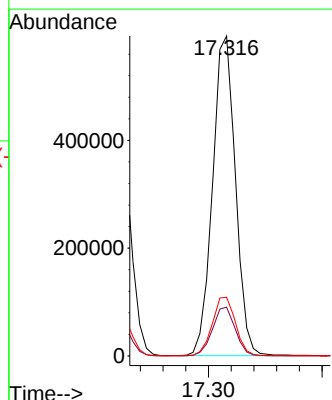
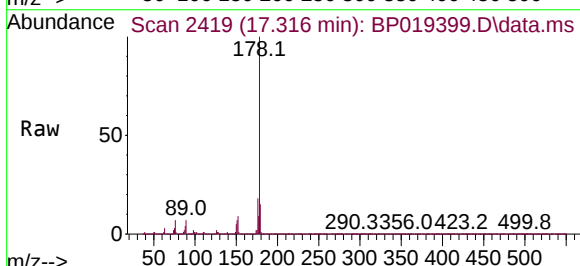
Tgt Ion:178 Resp: 828934

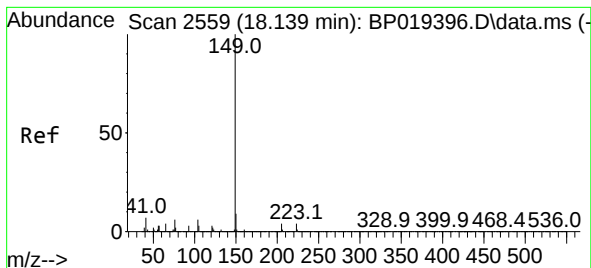
Ion Ratio Lower Upper

178 100

179 15.2 12.3 18.5

176 18.3 14.6 22.0





#78

Di-n-butylphthalate

Concen: 36.693 ng/ul

RT: 18.145 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP019399.D

Acq: 19 Jan 2024 11:37

Instrument :

BNA_P

ClientSampleId :

XA318DL

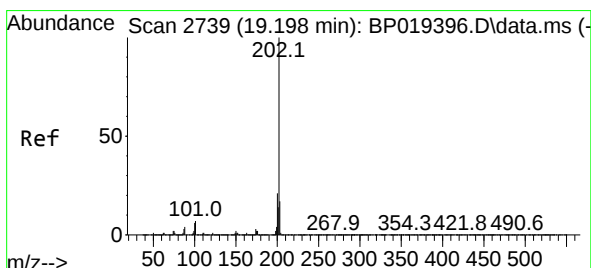
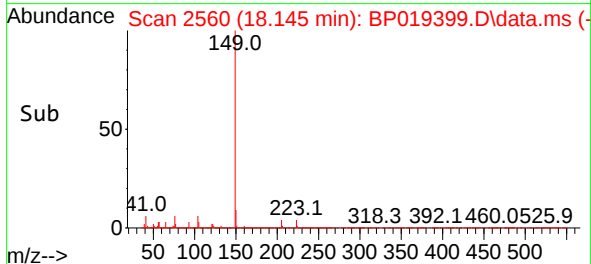
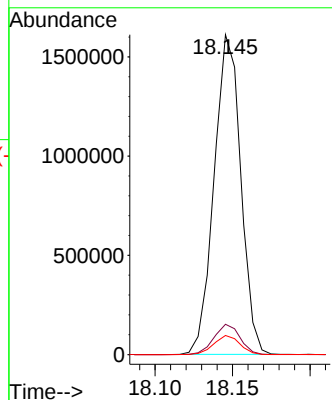
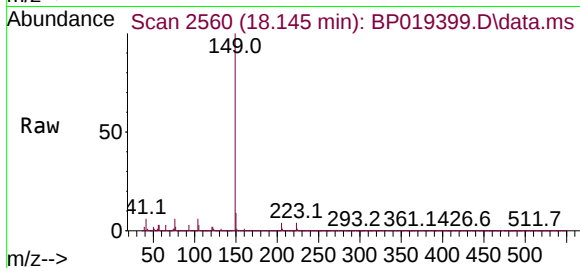
Tgt Ion:149 Resp: 1927522

Ion Ratio Lower Upper

149 100

150 9.5 7.0 10.6

104 6.0 4.6 6.8



#80

Fluoranthene

Concen: 34.459 ng/ul

RT: 19.204 min Scan# 2740

Delta R.T. 0.000 min

Lab File: BP019399.D

Acq: 19 Jan 2024 11:37

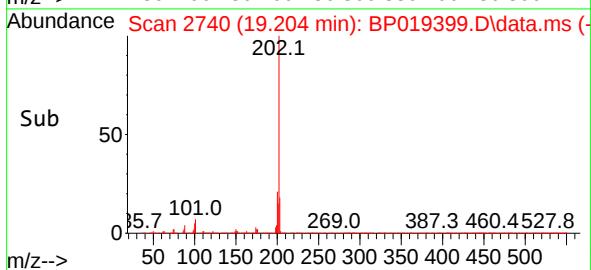
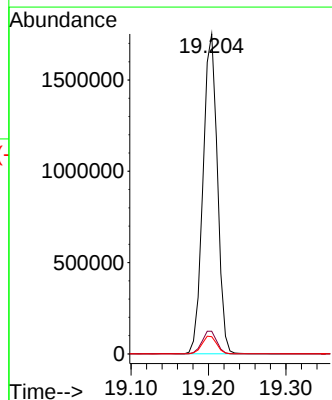
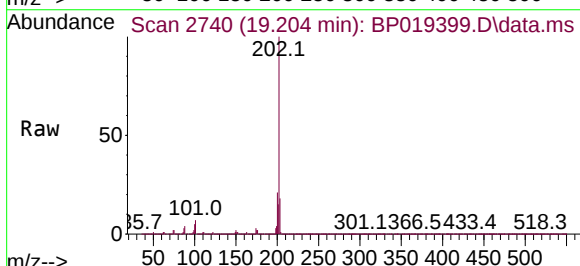
Tgt Ion:202 Resp: 2256586

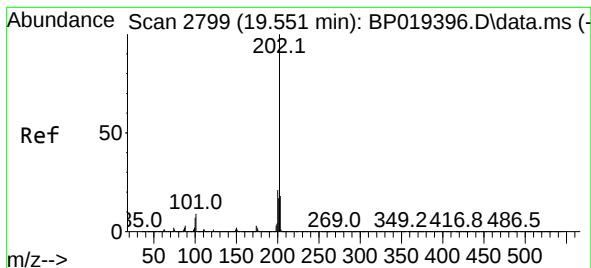
Ion Ratio Lower Upper

202 100

101 7.1 5.9 8.9

100 5.4 4.6 7.0





#82

Pyrene

Concen: 15.815 ng/ul

RT: 19.557 min Scan# 2800

Delta R.T. 0.000 min

Lab File: BP019399.D

Acq: 19 Jan 2024 11:37

Instrument :

BNA_P

ClientSampleId :

XA318DL

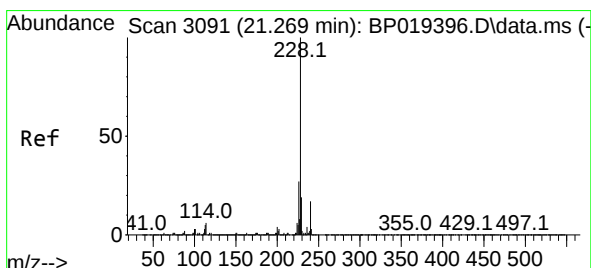
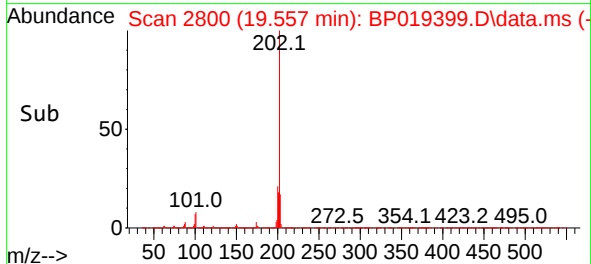
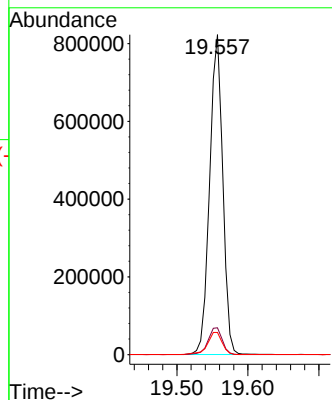
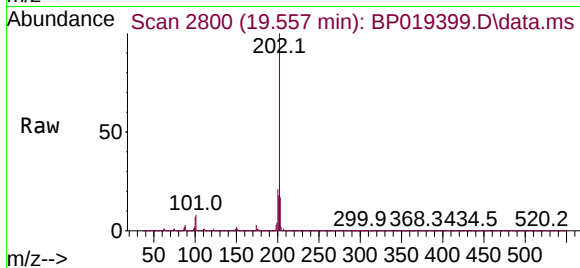
Tgt Ion:202 Resp: 1051152

Ion Ratio Lower Upper

202 100

101 8.4 7.2 10.8

100 6.9 5.8 8.6



#85

Benzo(a)anthracene

Concen: 23.531 ng/ul

RT: 21.275 min Scan# 3092

Delta R.T. 0.006 min

Lab File: BP019399.D

Acq: 19 Jan 2024 11:37

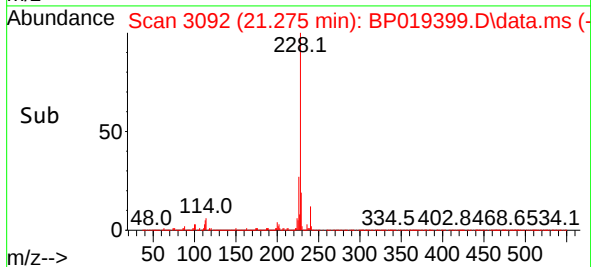
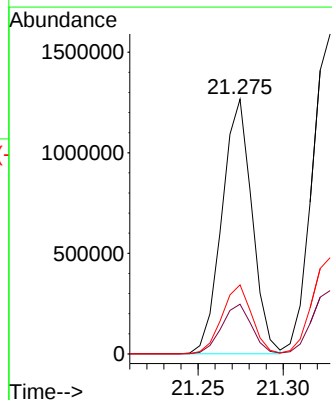
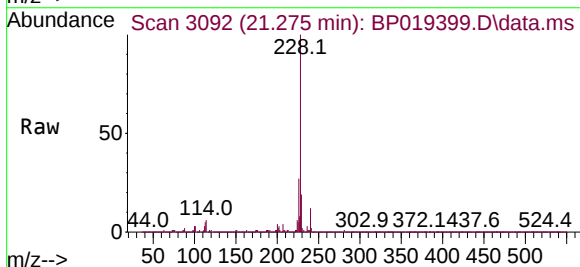
Tgt Ion:228 Resp: 1556343

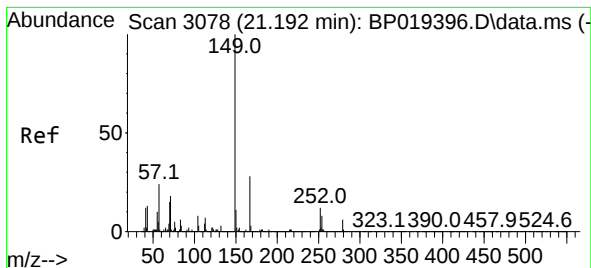
Ion Ratio Lower Upper

228 100

229 19.5 15.8 23.6

226 27.1 21.6 32.4

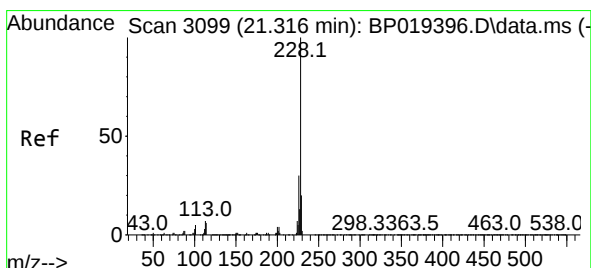
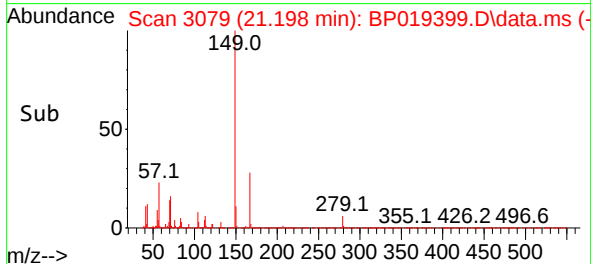
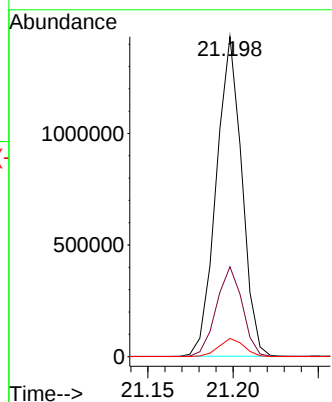
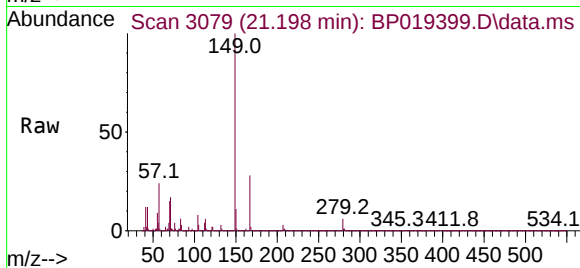




#86
Bis(2-ethylhexyl)phthalate
Concen: 45.556 ng/ul
RT: 21.198 min Scan# 3078
Delta R.T. 0.000 min
Lab File: BP019399.D
Acq: 19 Jan 2024 11:37

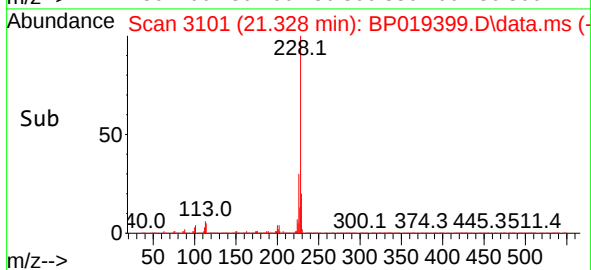
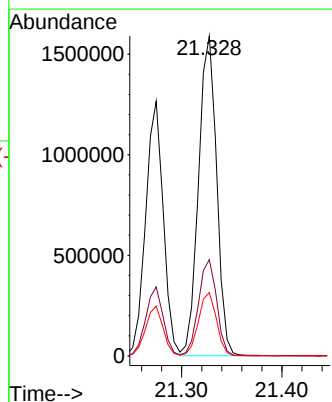
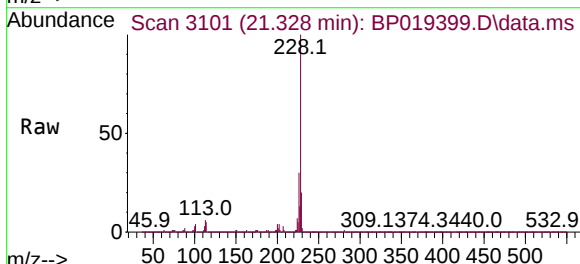
Instrument :
BNA_P
ClientSampleId :
XA318DL

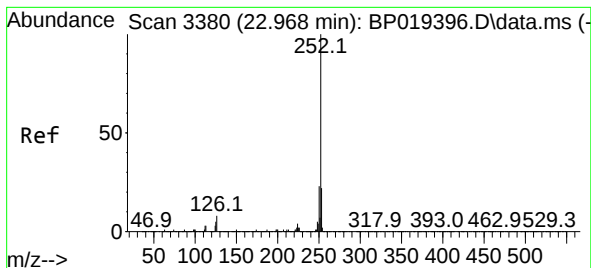
Tgt Ion:149 Resp: 1491142
Ion Ratio Lower Upper
149 100
167 28.1 22.9 34.3
279 5.7 4.6 7.0



#87
Chrysene
Concen: 32.829 ng/ul
RT: 21.328 min Scan# 3101
Delta R.T. 0.006 min
Lab File: BP019399.D
Acq: 19 Jan 2024 11:37

Tgt Ion:228 Resp: 1984811
Ion Ratio Lower Upper
228 100
226 30.1 23.9 35.9
229 19.8 15.5 23.3





#91

Benzo(k)fluoranthene

Concen: 33.977 ng/ul

RT: 22.975 min Scan# 3380

Delta R.T. 0.006 min

Lab File: BP019399.D

Acq: 19 Jan 2024 11:37

Instrument :

BNA_P

ClientSampleId :

XA318DL

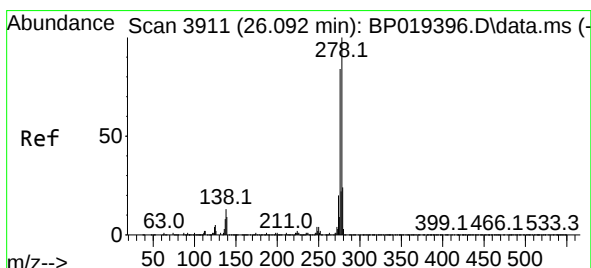
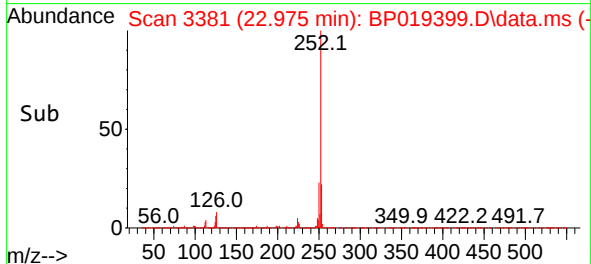
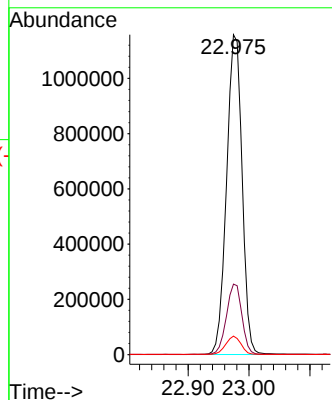
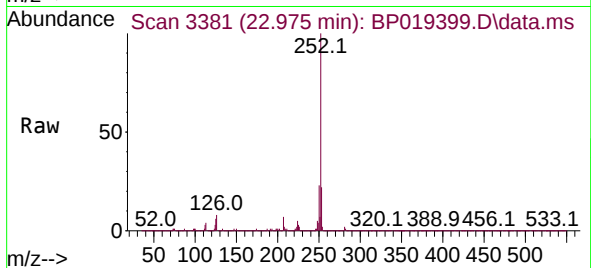
Tgt Ion:252 Resp: 2045407

Ion Ratio Lower Upper

252 100

253 22.0 17.3 25.9

125 5.8 4.8 7.2



#95

Dibenzo(a,h)anthracene

Concen: 20.567 ng/ul

RT: 26.104 min Scan# 3913

Delta R.T. 0.006 min

Lab File: BP019399.D

Acq: 19 Jan 2024 11:37

Tgt Ion:278 Resp: 1122768

Ion Ratio Lower Upper

278 100

139 9.5 7.4 11.2

279 23.8 18.7 28.1

