

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP040621\
 Data File : BP005208.D
 Acq On : 06 Apr 2021 21:41
 Operator : CG/JU
 Sample : M1900-03 2X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 CHRT-20111

Quant Time: Apr 07 00:32:00 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP032321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 06 12:33:08 2021
 Response via : Initial Calibration

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

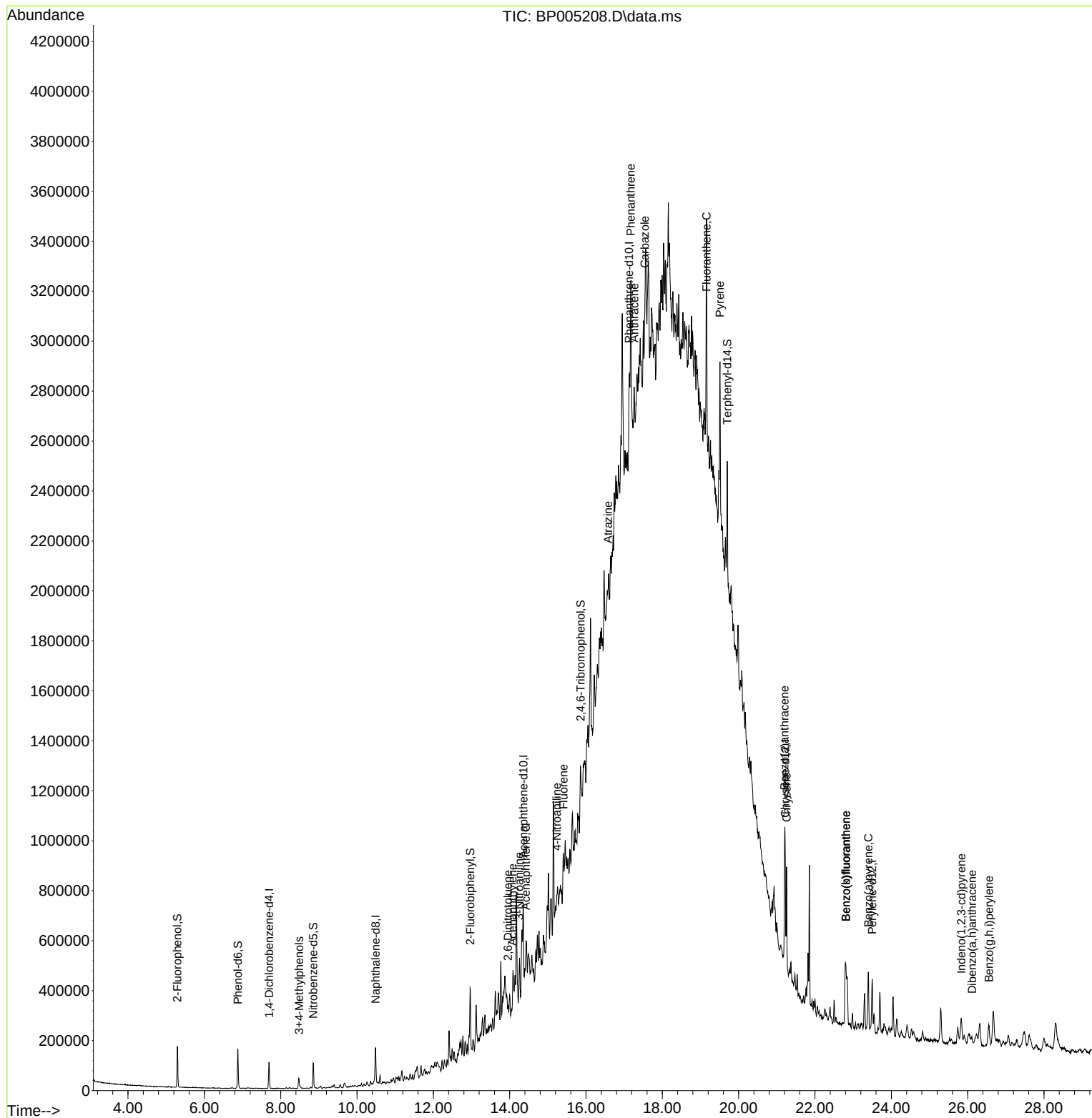
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.692	152	27185	20.00	ng	# 0.00
21) Naphthalene-d8	10.486	136	108295	20.00	ng	# 0.00
39) Acenaphthene-d10	14.357	164	69055	20.00	ng	0.00
64) Phenanthrene-d10	17.127	188	143865	20.00	ng	# 0.01
76) Chrysene-d12	21.221	240	146353	20.00	ng	0.00
86) Perylene-d12	23.498	264	148694	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.293	112	72271	40.91	ng	0.00
7) Phenol-d6	6.875	99	96041	37.96	ng	0.00
23) Nitrobenzene-d5	8.851	82	61397	24.33	ng	0.00
42) 2,4,6-Tribromophenol	15.857	330	30986	34.44	ng	0.00
45) 2-Fluorobiphenyl	12.969	172	124670	24.42	ng	0.00
79) Terphenyl-d14	19.704	244	195670	24.34	ng	0.02
Target Compounds						
						Qvalue
20) 3+4-Methylphenols	8.481	107	19122	8.46	ng	92
49) Acenaphthylene	14.075	152	15620	2.34	ng	# 65
51) 2,6-Dinitrotoluene	13.957	165	4361	3.48	ng	# 55
52) Acenaphthene	14.422	154	8925	2.18	ng	# 91
53) 3-Nitroaniline	14.251	138	4951	4.29	ng	# 69
58) Fluorene	15.410	166	21363	3.93	ng	# 80
62) 4-Nitroaniline	15.233	138	5558	4.69	ng	85
69) Atrazine	16.580	200	6712	4.37	ng	# 1
71) Phenanthrene	17.174	178	360249	43.19	ng	# 94
72) Anthracene	17.263	178	119441	14.66	ng	# 88
73) Carbazole	17.539	167	50089	6.54	ng	# 57
75) Fluoranthene	19.157	202	482636	49.19	ng	96
78) Pyrene	19.510	202	433981	43.15	ng	97
81) Benzo(a)anthracene	21.204	228	220886	22.21	ng	98
83) Chrysene	21.256	228	199141	20.41	ng	97
87) Indeno(1,2,3-cd)pyrene	25.833	276	100018	8.97	ng	96
88) Benzo(b)fluoranthene	22.809	252	298828	28.30	ng	# 95
89) Benzo(k)fluoranthene	22.809	252	298828	29.53	ng	# 96
90) Benzo(a)pyrene	23.398	252	173285	18.30	ng	98
91) Dibenzo(a,h)anthracene	26.115	278	21920	2.27	ng	94
92) Benzo(g,h,i)perylene	26.556	276	101251	10.88	ng	96

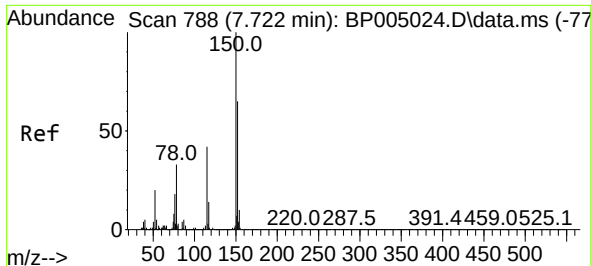
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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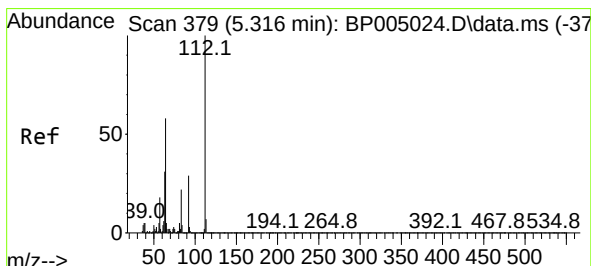
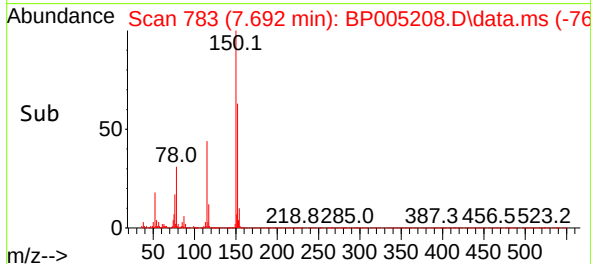
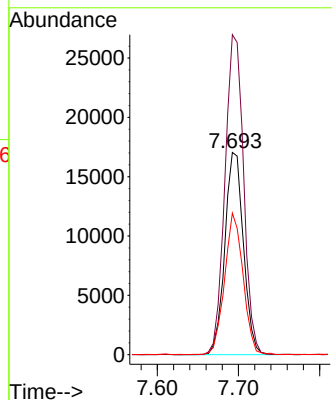
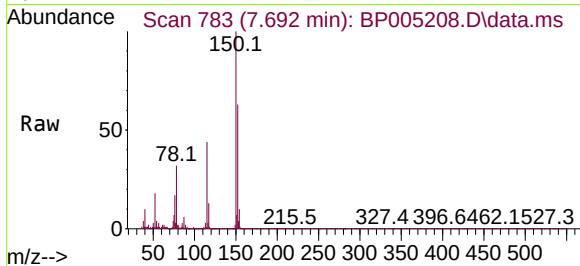




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.692 min Scan# 783
Delta R.T. -0.000 min
Lab File: BP005208.D
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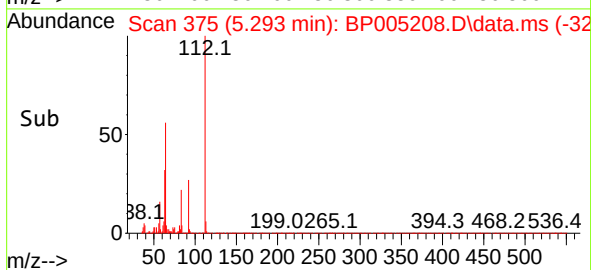
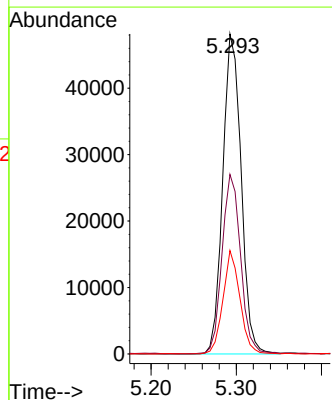
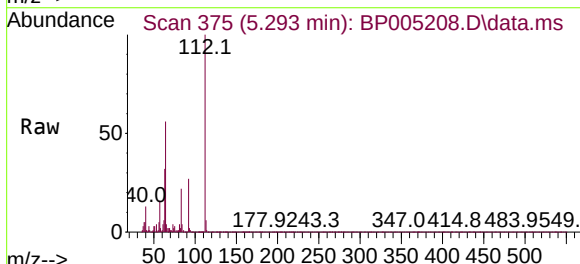
Instrument :
BNA_P
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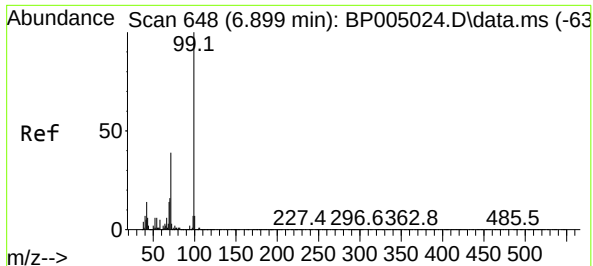
Tgt Ion:152 Resp: 27185
Ion Ratio Lower Upper
152 100
150 158.3 123.8 185.6
115 70.0 43.8 65.6#



#5
2-Fluorophenol
Concen: 40.91 ng
RT: 5.293 min Scan# 375
Delta R.T. -0.000 min
Lab File: BP005208.D
Acq: 06 Apr 2021 21:41

Tgt Ion:112 Resp: 72271
Ion Ratio Lower Upper
112 100
64 56.1 32.8 49.2#
63 32.3 17.0 25.4#

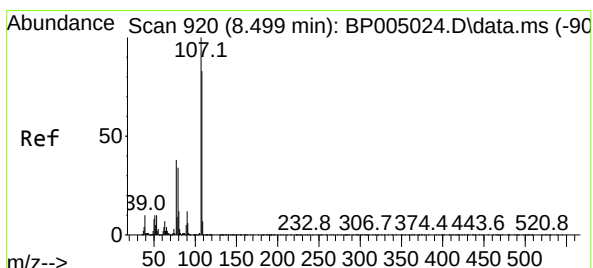
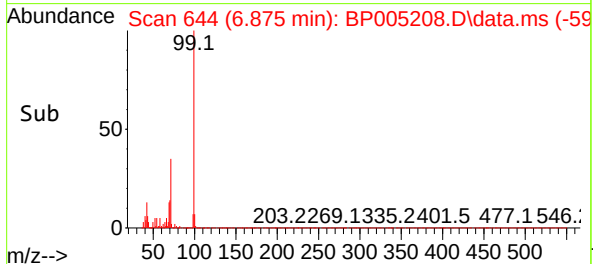
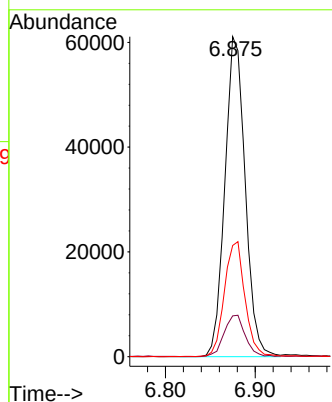
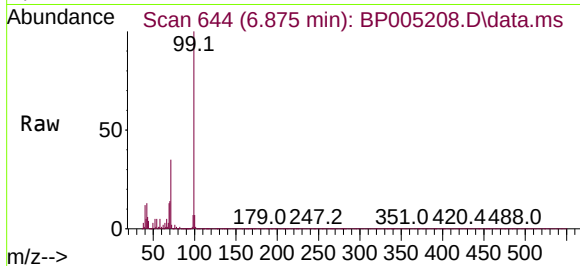




#7
Phenol-d6
Concen: 37.96 ng
RT: 6.875 min Scan# 644
Delta R.T. -0.006 min
Lab File: BP005208.D
Acq: 06 Apr 2021 21:41

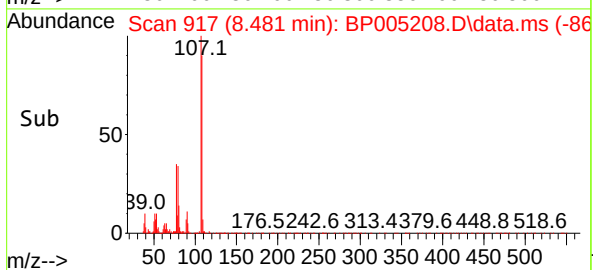
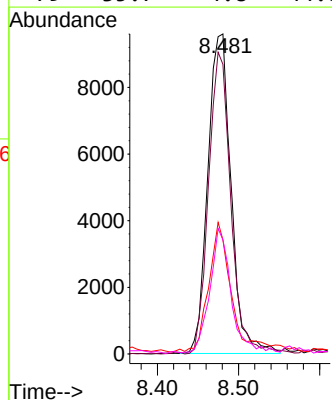
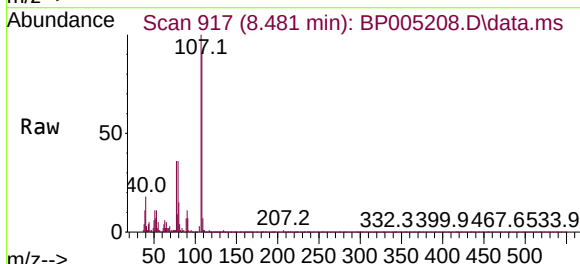
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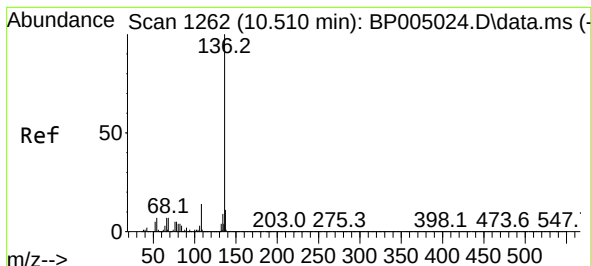
Tgt Ion:	99	Resp:	96041
Ion	Ratio	Lower	Upper
99	100		
42	12.8	8.6	13.0
71	34.8	23.4	35.2



#20
3+4-Methylphenols
Concen: 8.46 ng
RT: 8.481 min Scan# 917
Delta R.T. 0.006 min
Lab File: BP005208.D
Acq: 06 Apr 2021 21:41

Tgt Ion:	107	Resp:	19122
Ion	Ratio	Lower	Upper
107	100		
108	90.5	69.0	109.0
77	35.6	8.5	48.5
79	35.7	4.8	44.8

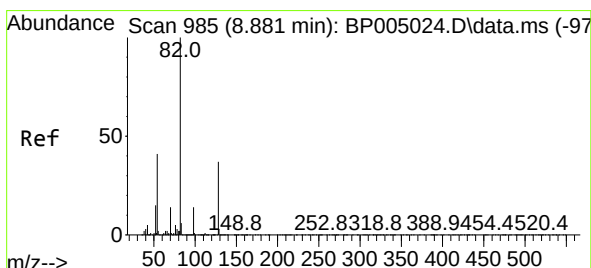
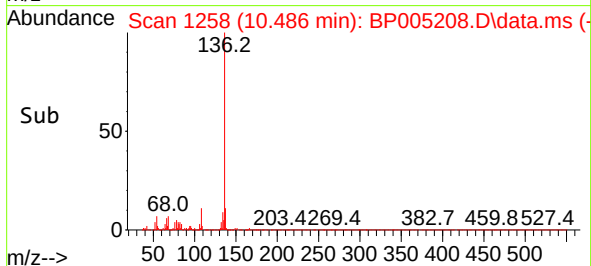
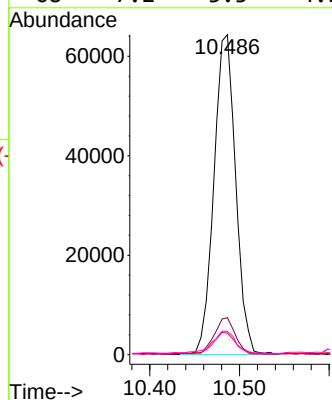
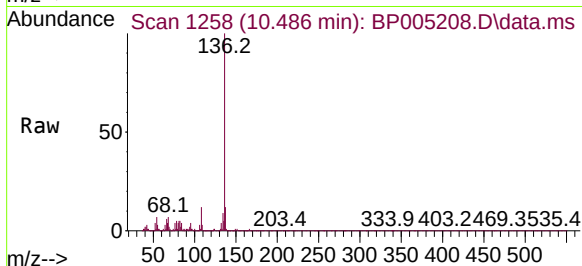




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.486 min Scan# 1258
Delta R.T. -0.000 min
Lab File: BP005208.D
Acq: 06 Apr 2021 21:41

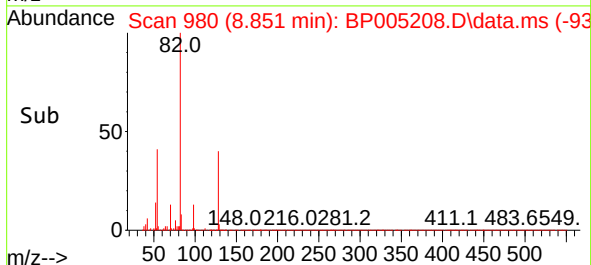
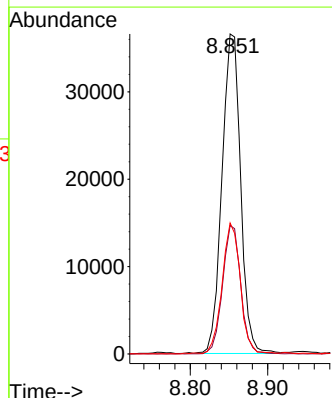
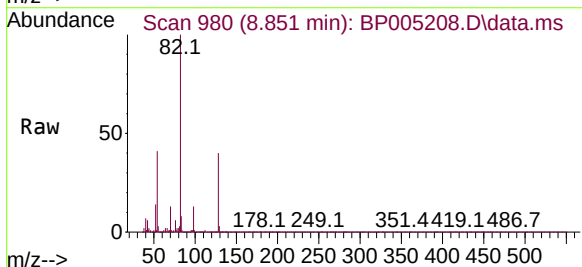
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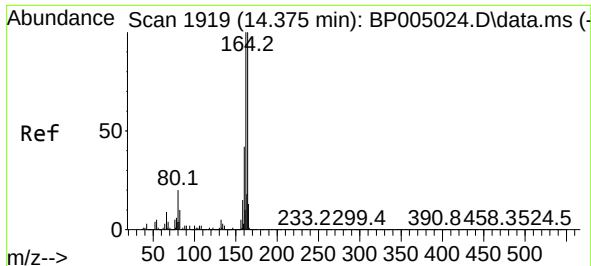
Tgt Ion:	136	Resp:	108295
Ion Ratio	Lower	Upper	
136	100		
137	11.6	8.6	13.0
54	6.8	3.6	5.4#
68	7.2	3.3	4.9#



#23
Nitrobenzene-d5
Concen: 24.33 ng
RT: 8.851 min Scan# 980
Delta R.T. -0.006 min
Lab File: BP005208.D
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Tgt Ion:	82	Resp:	61397
Ion Ratio	Lower	Upper	
82	100		
128	40.1	45.6	68.4#
54	40.9	30.1	45.1

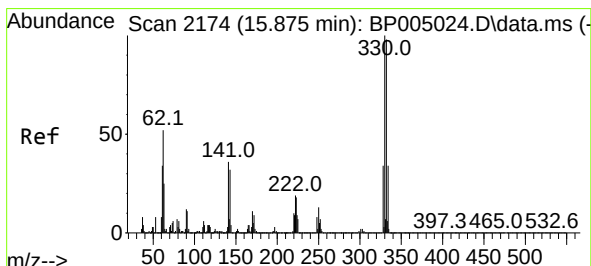
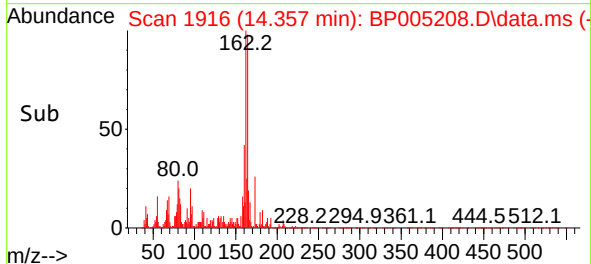
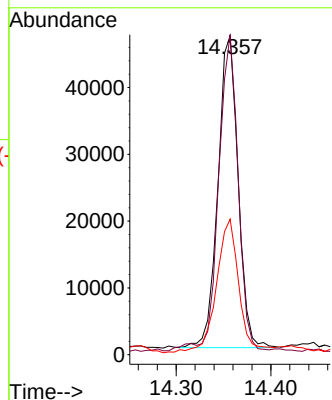
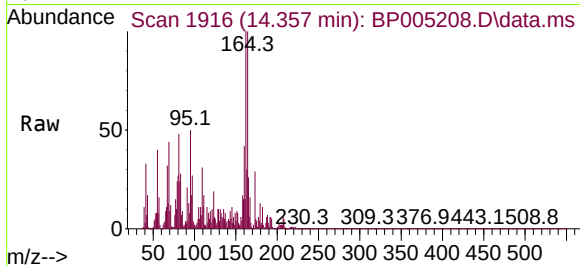




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.357 min Scan# 1916
Delta R.T. 0.006 min
Lab File: BP005208.D
Acq: 06 Apr 2021 21:41

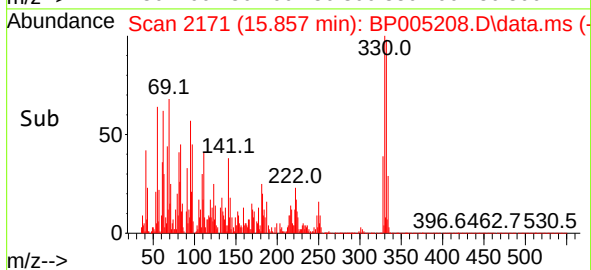
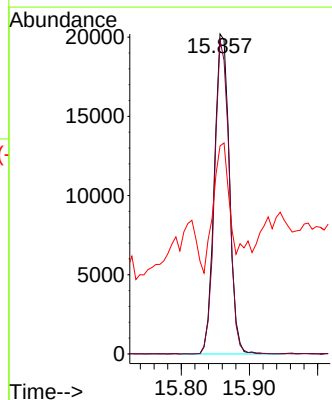
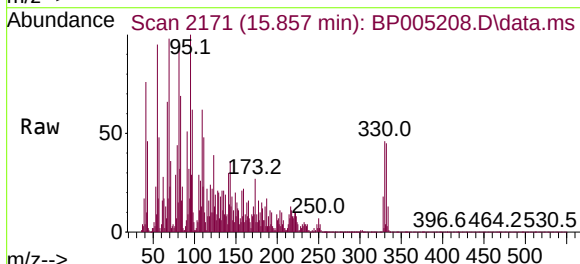
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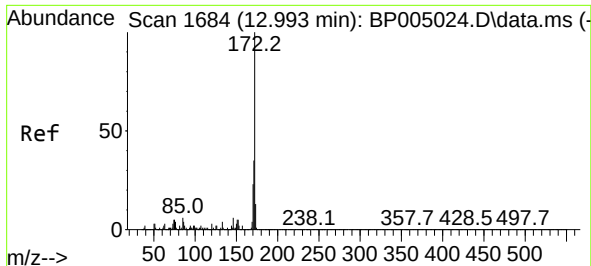
Tgt Ion:164 Resp: 69055
Ion Ratio Lower Upper
164 100
162 100.3 79.4 119.2
160 42.5 36.1 54.1



#42
2,4,6-Tribromophenol
Concen: 34.44 ng
RT: 15.857 min Scan# 2171
Delta R.T. -0.000 min
Lab File: BP005208.D
Acq: 06 Apr 2021 21:41

Tgt Ion:330 Resp: 30986
Ion Ratio Lower Upper
330 100
332 95.7 77.1 115.7
141 46.5 23.4 35.2#

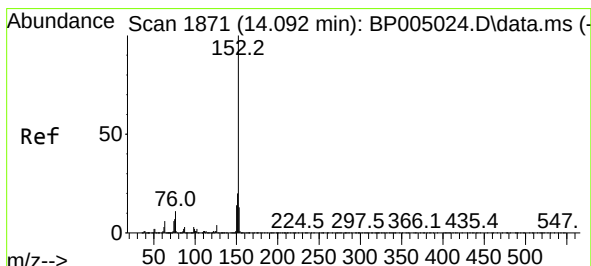
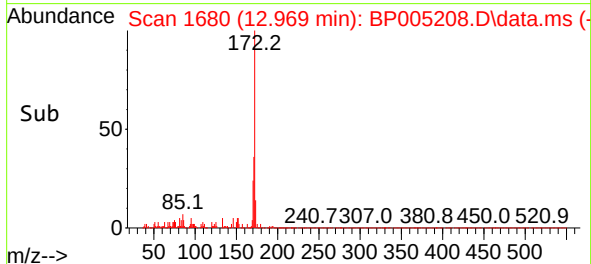
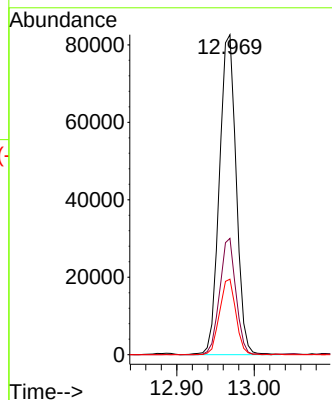
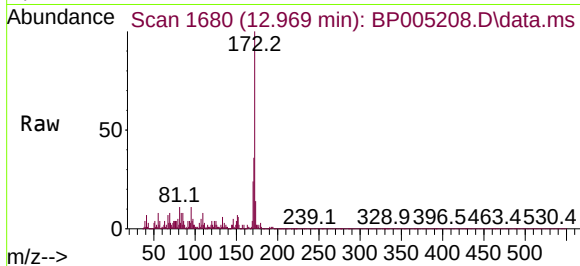




#45
2-Fluorobiphenyl
Concen: 24.42 ng
RT: 12.969 min Scan# 1680
Delta R.T. -0.000 min
Lab File: BP005208.D
Acq: 06 Apr 2021 21:41

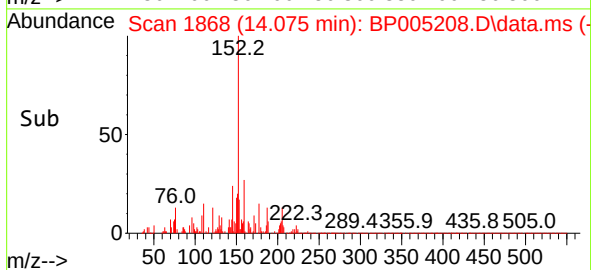
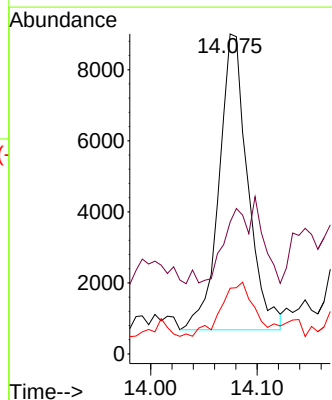
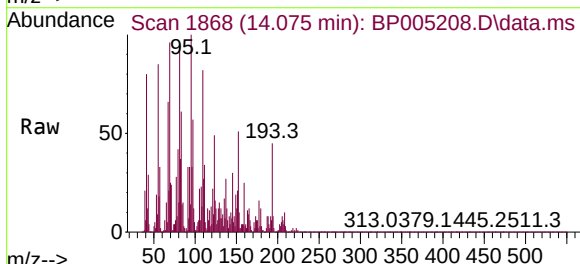
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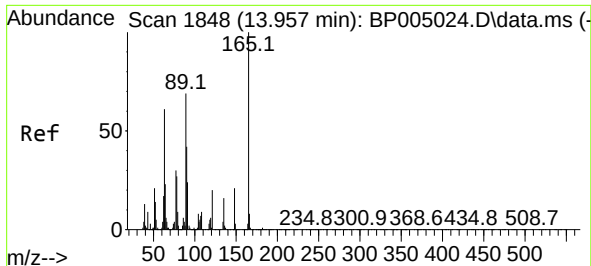
Tgt Ion:172	Resp:	124670
Ion Ratio	Lower	Upper
172	100	
171	36.3	28.5 42.7
170	23.6	19.2 28.8



#49
Acenaphthylene
Concen: 2.34 ng
RT: 14.075 min Scan# 1868
Delta R.T. -0.000 min
Lab File: BP005208.D
Acq: 06 Apr 2021 21:41

Tgt Ion:152	Resp:	15620
Ion Ratio	Lower	Upper
152	100	
151	41.2	15.9 23.9#
153	20.5	10.5 15.7#

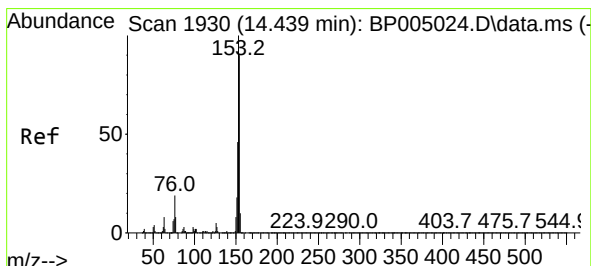
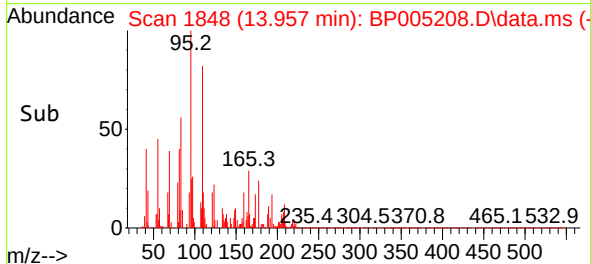
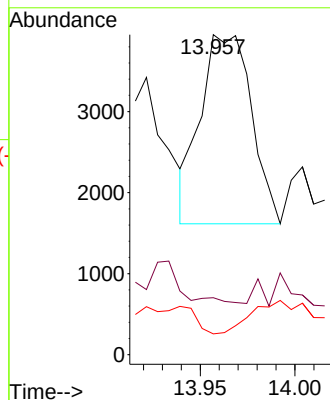
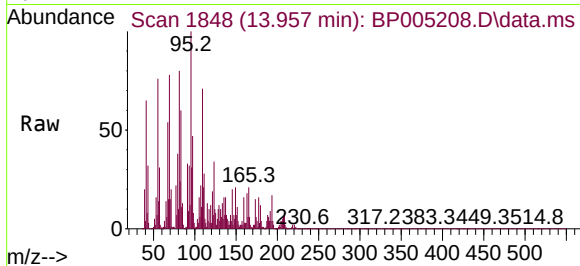




#51
2,6-Dinitrotoluene
Concen: 3.48 ng
RT: 13.957 min Scan# 1848
Delta R.T. 0.017 min
Lab File: BP005208.D
Acq: 06 Apr 2021 21:41

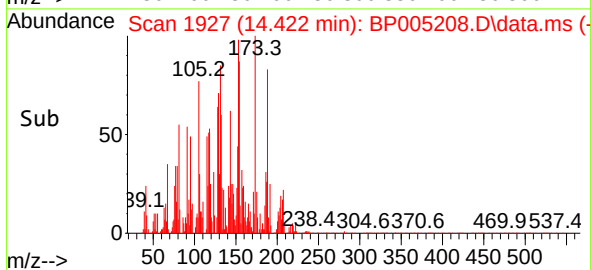
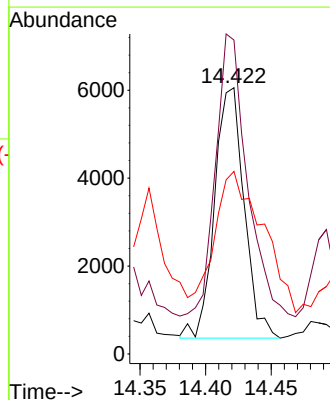
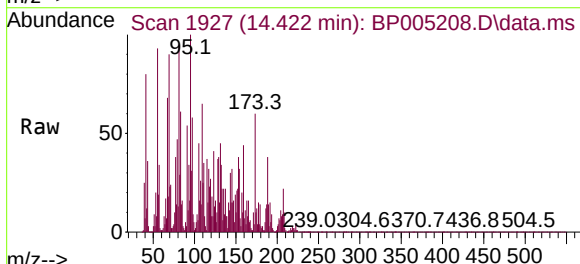
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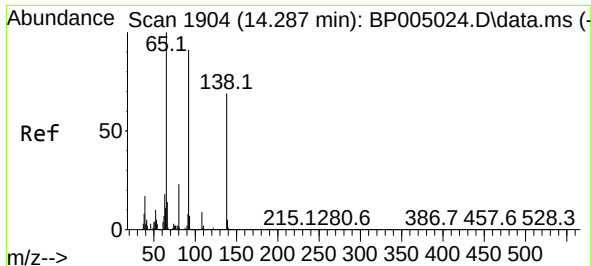
Tgt Ion:165 Resp: 4361
Ion Ratio Lower Upper
165 100
63 17.8 27.8 41.6#
89 6.5 34.6 52.0#



#52
Acenaphthene
Concen: 2.18 ng
RT: 14.422 min Scan# 1927
Delta R.T. 0.006 min
Lab File: BP005208.D
Acq: 06 Apr 2021 21:41

Tgt Ion:154 Resp: 8925
Ion Ratio Lower Upper
154 100
153 117.9 91.0 136.6
152 68.6 43.0 64.6#

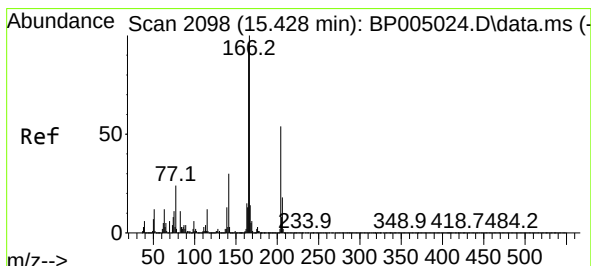
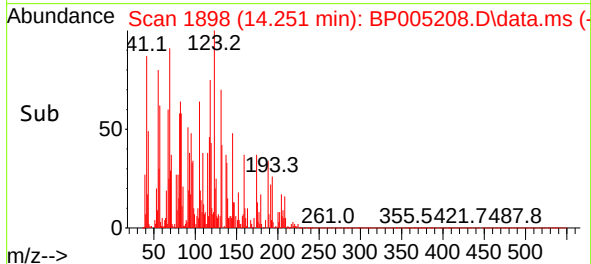
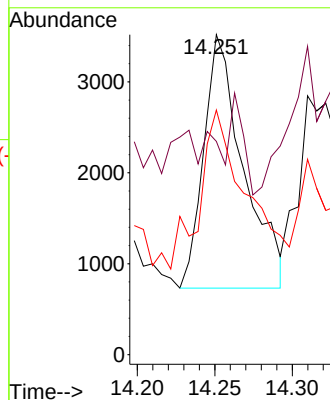
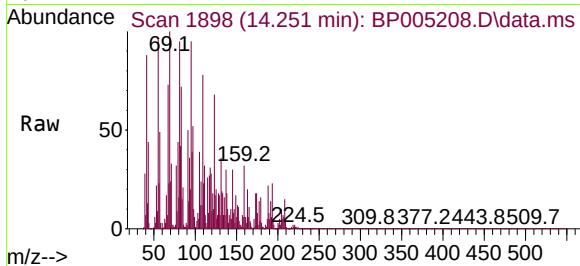




#53
3-Nitroaniline
Concen: 4.29 ng
RT: 14.251 min Scan# 1898
Delta R.T. -0.018 min
Lab File: BP005208.D
Acq: 06 Apr 2021 21:41

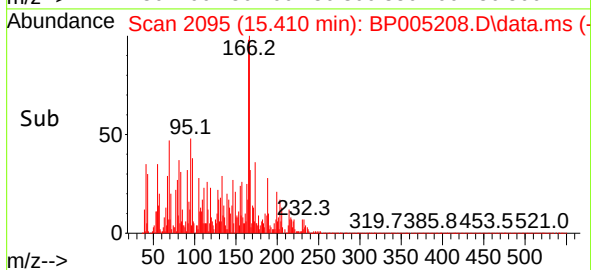
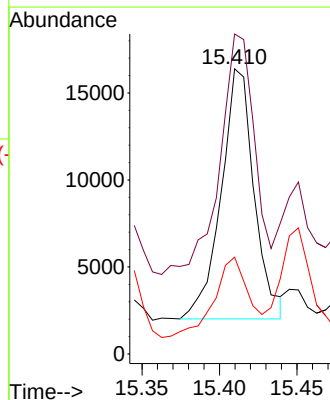
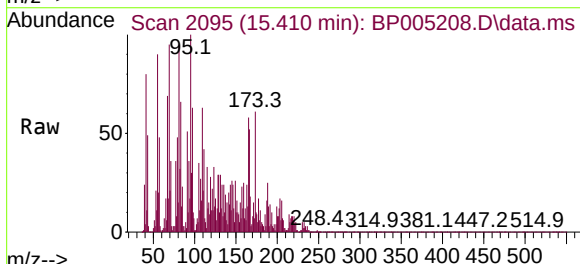
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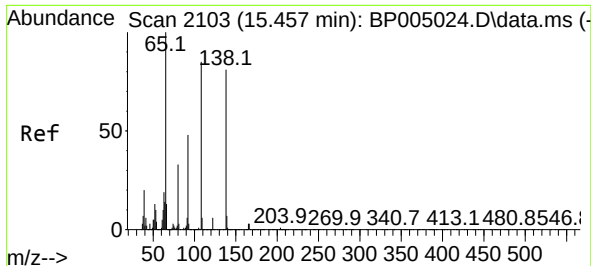
Tgt Ion:138 Resp: 4951
Ion Ratio Lower Upper
138 100
108 66.6 7.5 11.3#
92 76.4 75.0 112.6



#58
Fluorene
Concen: 3.93 ng
RT: 15.410 min Scan# 2095
Delta R.T. -0.000 min
Lab File: BP005208.D
Acq: 06 Apr 2021 21:41

Tgt Ion:166 Resp: 21363
Ion Ratio Lower Upper
166 100
165 112.3 77.8 116.8
167 34.0 11.0 16.4#

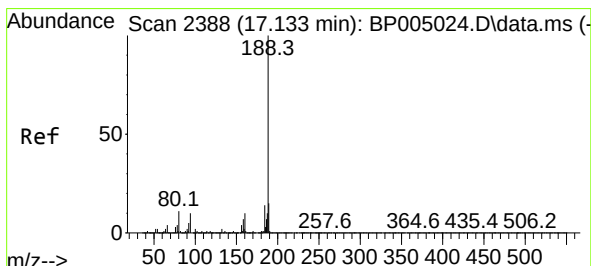
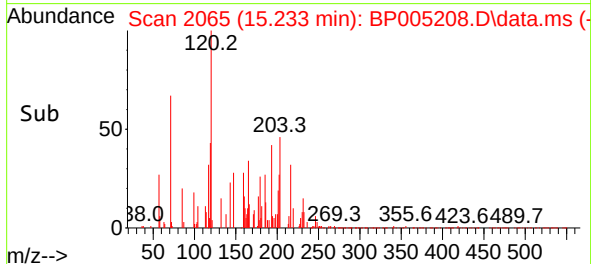
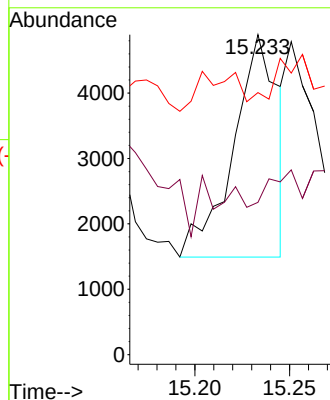
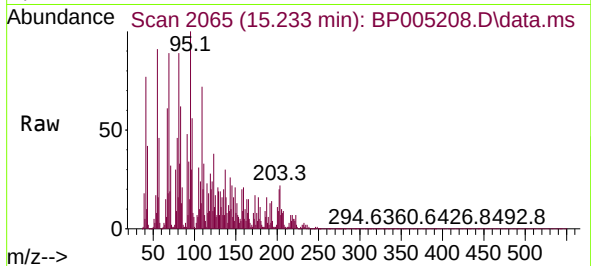




#62
4-Nitroaniline
Concen: 4.69 ng
RT: 15.233 min Scan# 2065
Delta R.T. -0.206 min
Lab File: BP005208.D
Acq: 06 Apr 2021 21:41

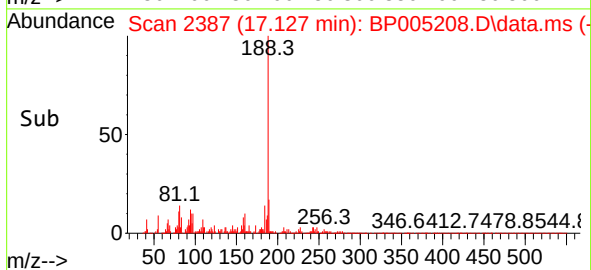
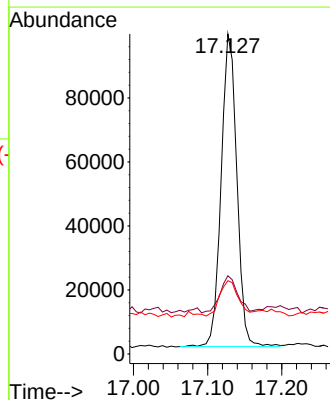
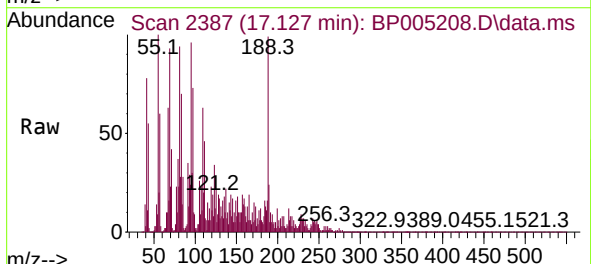
Instrument :
BNA_P
ClientSampleId :
CHRT-20111

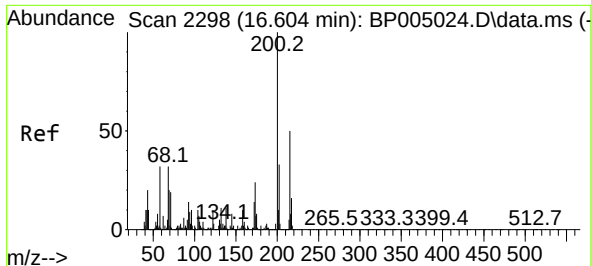
Tgt Ion:138 Resp: 5558
Ion Ratio Lower Upper
138 100
92 47.6 20.7 60.7
108 81.9 47.8 87.8



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.127 min Scan# 2387
Delta R.T. 0.012 min
Lab File: BP005208.D
Acq: 06 Apr 2021 21:41

Tgt Ion:188 Resp: 143865
Ion Ratio Lower Upper
188 100
94 24.4 6.2 9.2#
80 22.9 6.2 9.2#

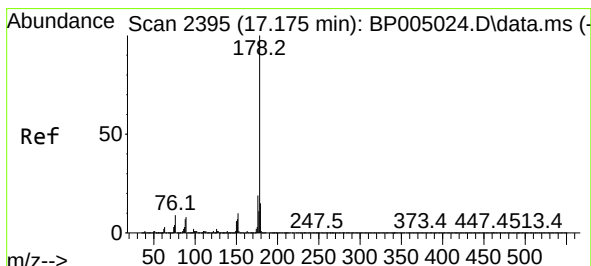
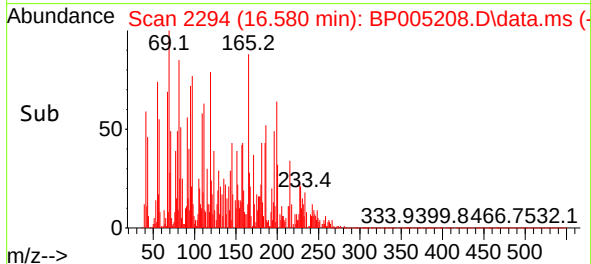
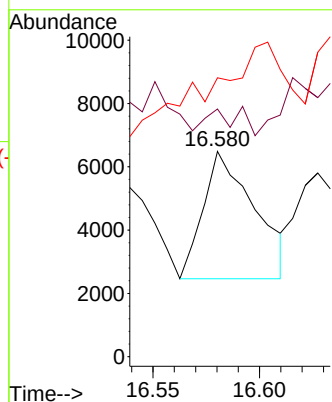
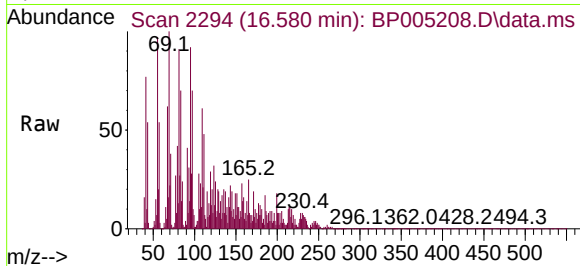




#69
Atrazine
Concen: 4.37 ng
RT: 16.580 min Scan# 2294
Delta R.T. -0.006 min
Lab File: BP005208.D
Acq: 06 Apr 2021 21:41

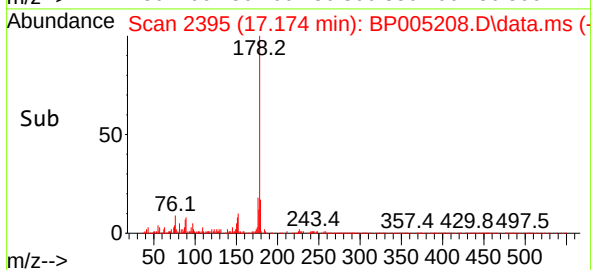
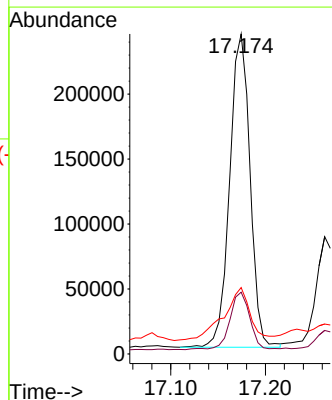
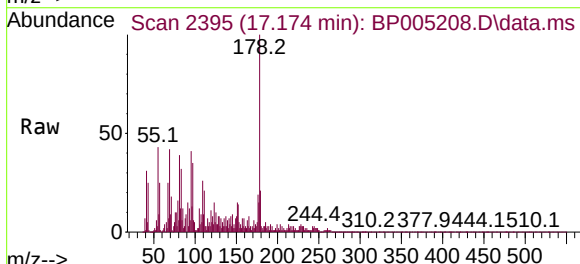
Instrument :
BNA_P
ClientSampled :
CHRT-20111

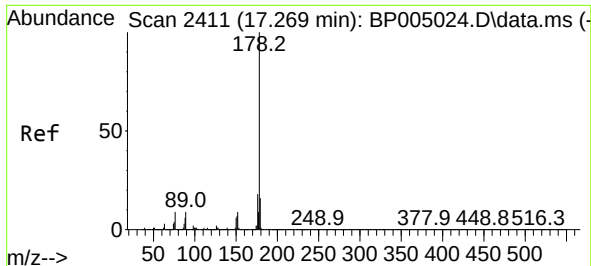
Tgt Ion:200 Resp: 6712
Ion Ratio Lower Upper
200 100
173 120.6 5.9 45.9#
215 135.8 28.4 68.4#



#71
Phenanthrene
Concen: 43.19 ng
RT: 17.174 min Scan# 2395
Delta R.T. 0.017 min
Lab File: BP005208.D
Acq: 06 Apr 2021 21:41

Tgt Ion:178 Resp: 360249
Ion Ratio Lower Upper
178 100
176 19.3 15.3 22.9
179 20.8 12.5 18.7#

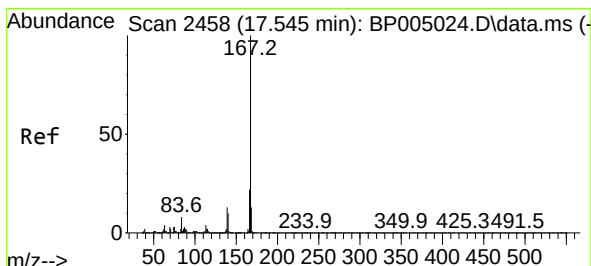
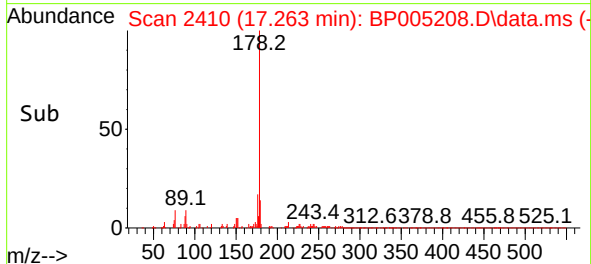
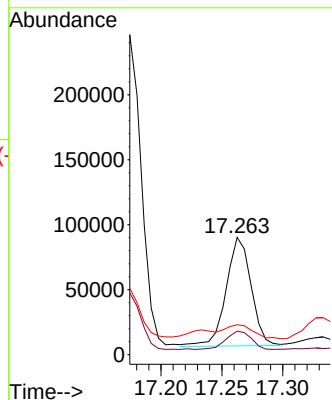
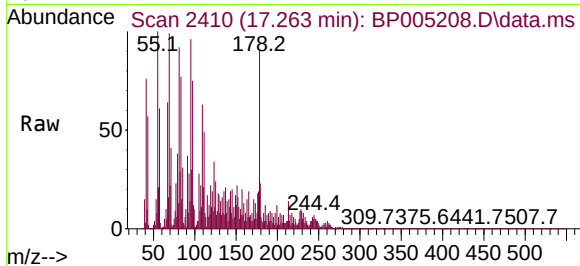




#72
 Anthracene
 Concen: 14.66 ng
 RT: 17.263 min Scan# 2410
 Delta R.T. 0.012 min
 Lab File: BP005208.D
 Acq: 06 Apr 2021 21:41

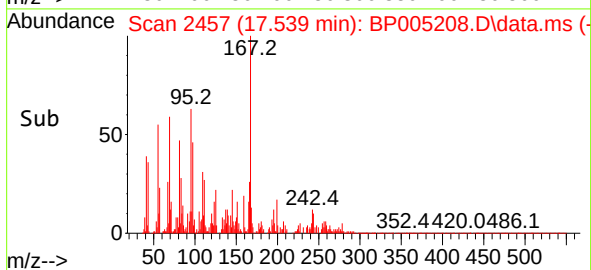
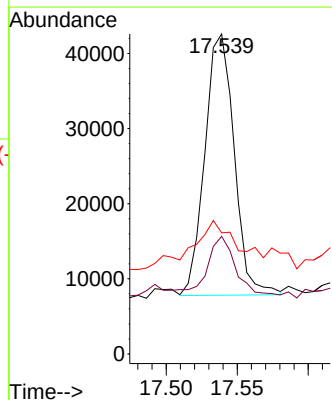
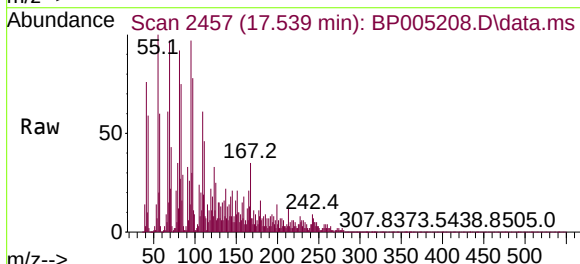
Instrument :
 BNA_P
 ClientSampleId :
 CHRT-20111

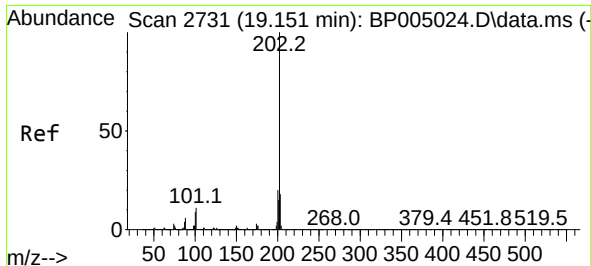
Tgt Ion:178 Resp: 119441
 Ion Ratio Lower Upper
 178 100
 176 20.0 15.0 22.4
 179 25.5 12.5 18.7#



#73
 Carbazole
 Concen: 6.54 ng
 RT: 17.539 min Scan# 2457
 Delta R.T. 0.012 min
 Lab File: BP005208.D
 Acq: 06 Apr 2021 21:41

Tgt Ion:167 Resp: 50089
 Ion Ratio Lower Upper
 167 100
 166 36.8 17.6 26.4#
 139 37.9 10.2 15.4#

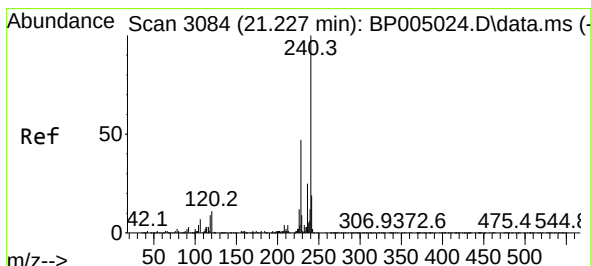
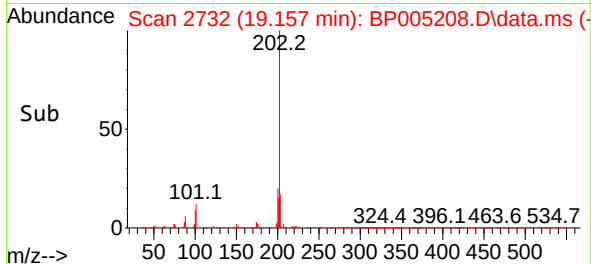
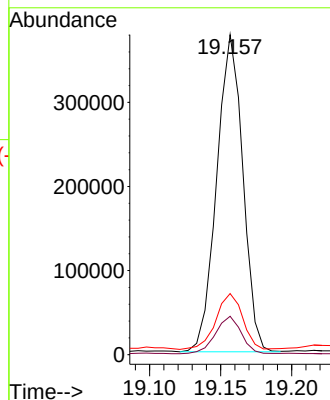
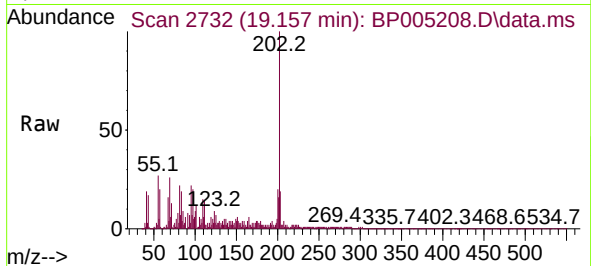




#75
Fluoranthene
Concen: 49.19 ng
RT: 19.157 min Scan# 2732
Delta R.T. 0.023 min
Lab File: BP005208.D
Acq: 06 Apr 2021 21:41

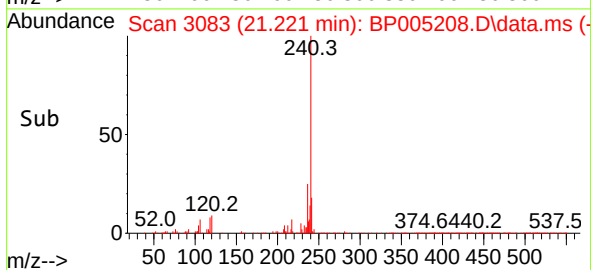
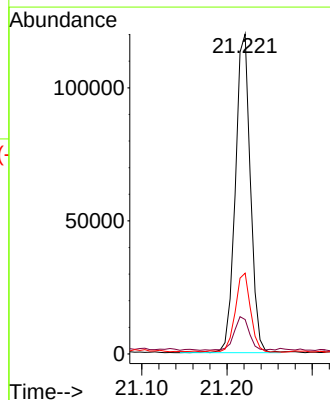
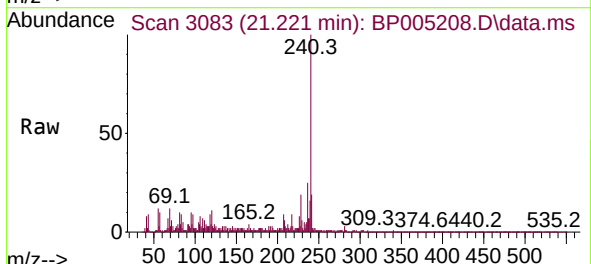
Instrument :
BNA_P
ClientSampleId :
CHRT-20111

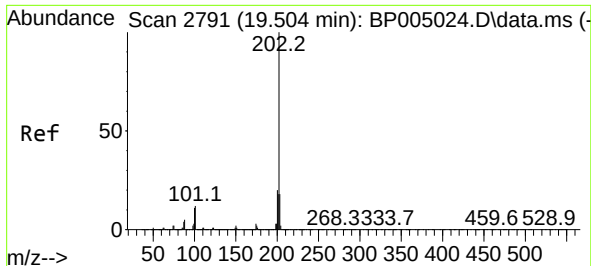
Tgt Ion:	202	Resp:	482636
Ion Ratio	Lower	Upper	
202	100		
101	12.0	0.0	29.4
203	19.1	0.0	37.8



#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.221 min Scan# 3083
Delta R.T. 0.006 min
Lab File: BP005208.D
Acq: 06 Apr 2021 21:41

Tgt Ion:	240	Resp:	146353
Ion Ratio	Lower	Upper	
240	100		
120	10.7	7.8	11.6
236	25.3	20.8	31.2

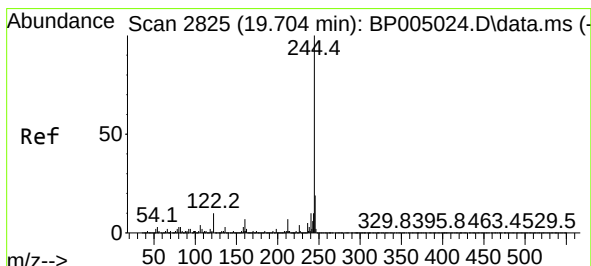
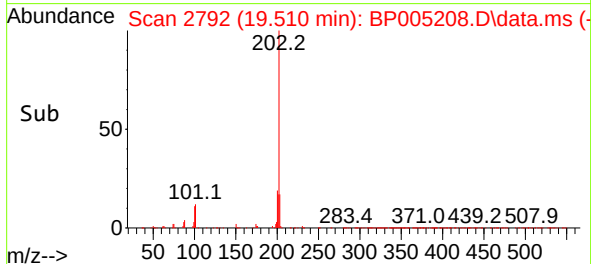
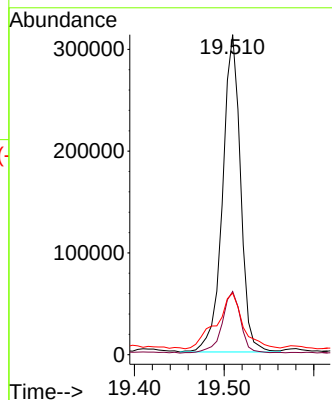
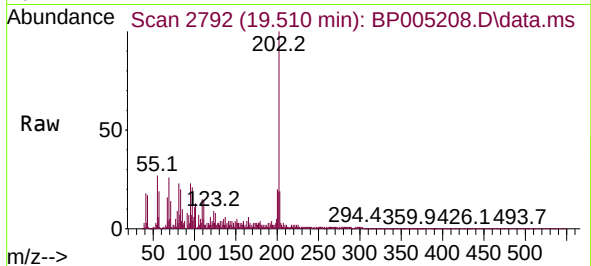




#78
Pyrene
Concen: 43.15 ng
RT: 19.510 min Scan# 2792
Delta R.T. 0.023 min
Lab File: BP005208.D
Acq: 06 Apr 2021 21:41

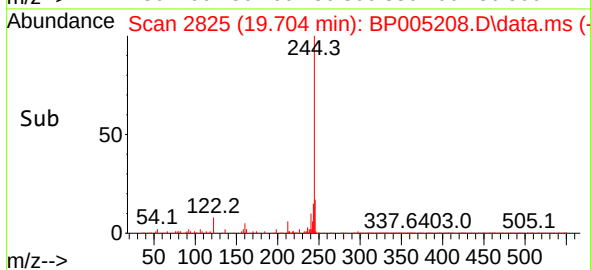
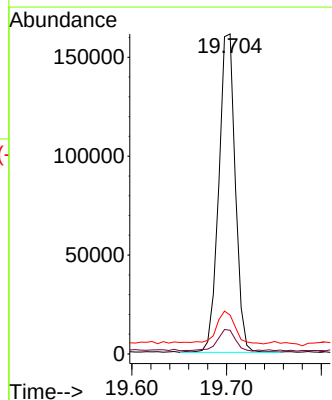
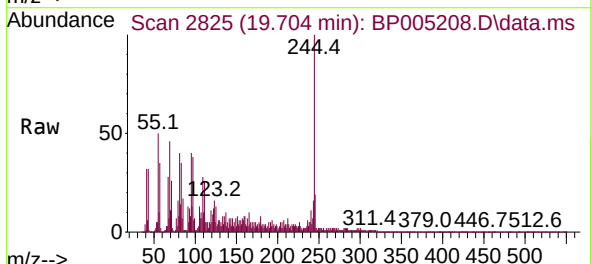
Instrument :
BNA_P
ClientSampleId :
CHRT-20111

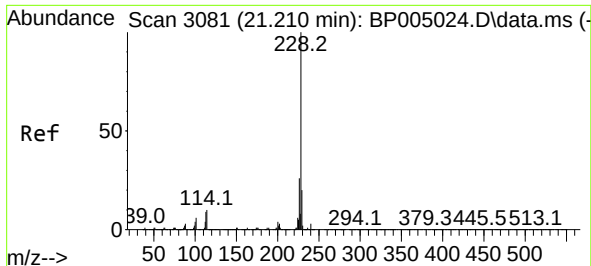
Tgt Ion:202 Resp: 433981
Ion Ratio Lower Upper
202 100
200 19.8 17.1 25.7
203 19.3 14.2 21.2



#79
Terphenyl-d14
Concen: 24.34 ng
RT: 19.704 min Scan# 2825
Delta R.T. 0.017 min
Lab File: BP005208.D
Acq: 06 Apr 2021 21:41

Tgt Ion:244 Resp: 195670
Ion Ratio Lower Upper
244 100
212 7.4 5.8 8.6
122 12.2 7.8 11.8#

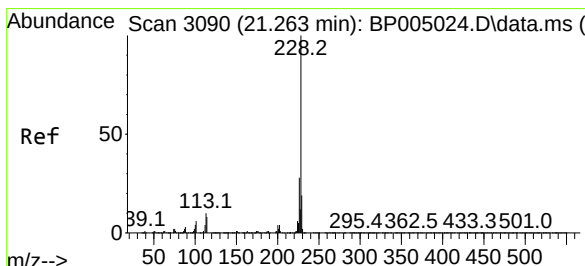
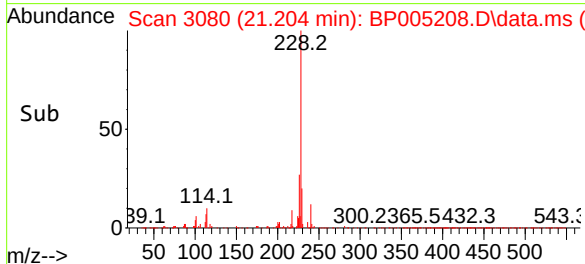
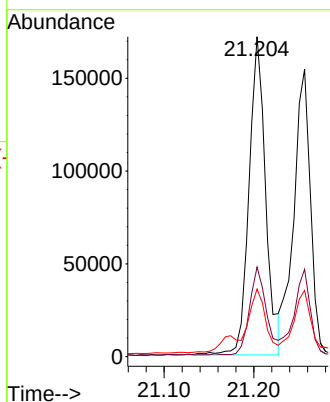
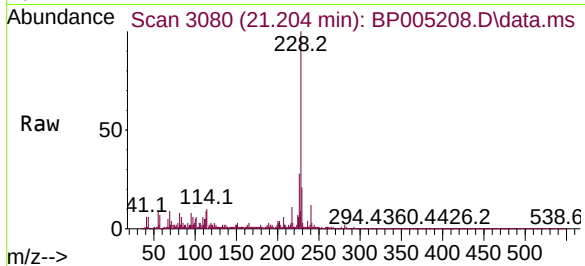




#81
Benzo(a)anthracene
Concen: 22.21 ng
RT: 21.204 min Scan# 3080
Delta R.T. 0.006 min
Lab File: BP005208.D
Acq: 06 Apr 2021 21:41

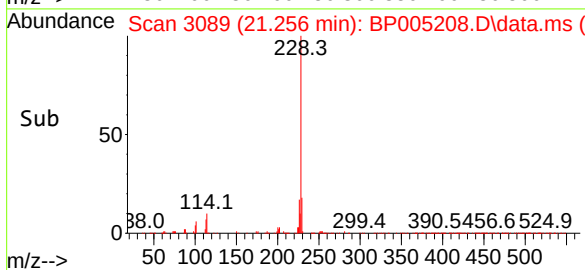
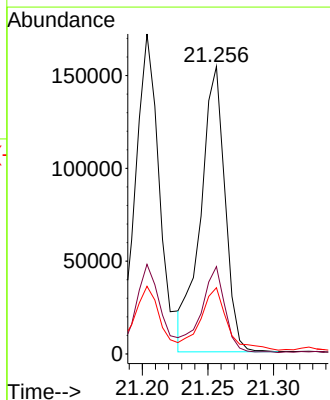
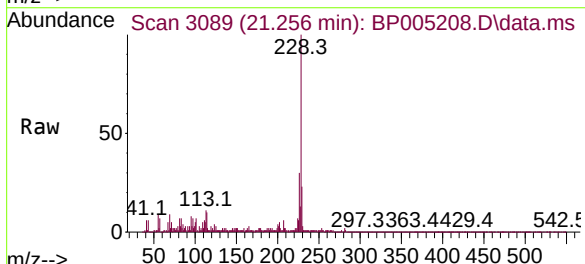
Instrument :
BNA_P
ClientSampleId :
CHRT-20111

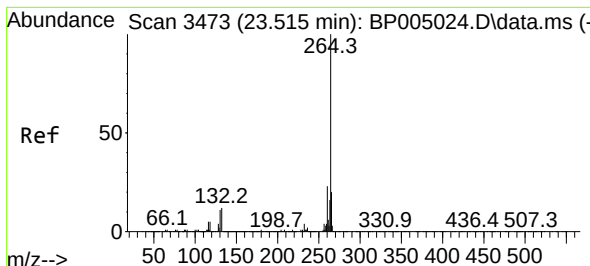
Tgt Ion:228 Resp: 220886
Ion Ratio Lower Upper
228 100
226 28.0 22.1 33.1
229 21.1 15.9 23.9



#83
Chrysene
Concen: 20.41 ng
RT: 21.256 min Scan# 3089
Delta R.T. 0.006 min
Lab File: BP005208.D
Acq: 06 Apr 2021 21:41

Tgt Ion:228 Resp: 199141
Ion Ratio Lower Upper
228 100
226 30.4 24.4 36.6
229 23.1 15.8 23.6

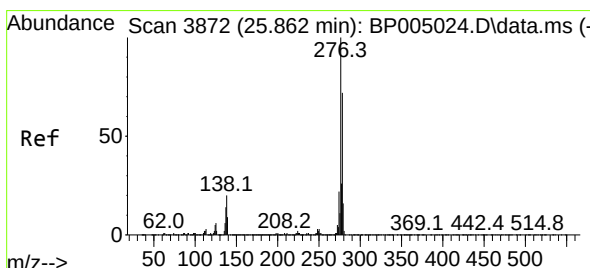
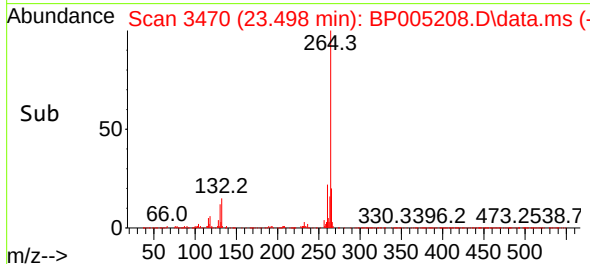
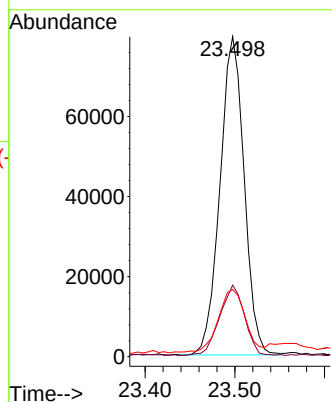
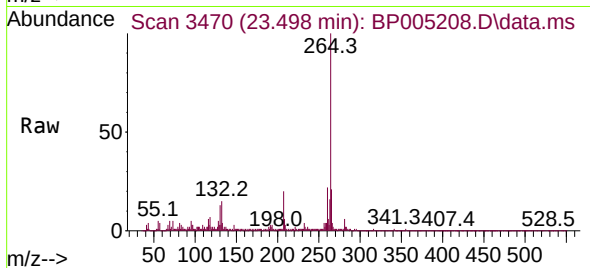




#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 23.498 min Scan# 3470
 Delta R.T. 0.006 min
 Lab File: BP005208.D
 Acq: 06 Apr 2021 21:41

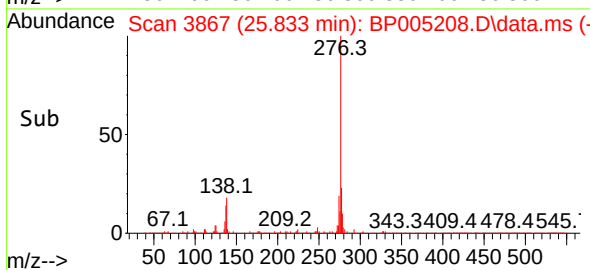
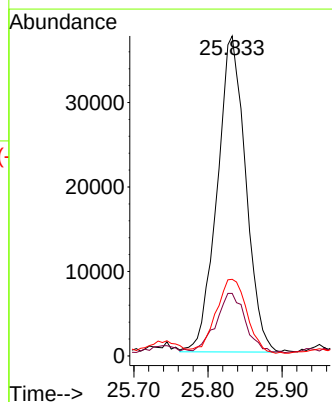
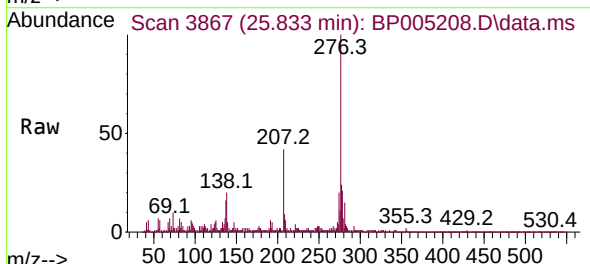
Instrument :
 BNA_P
 ClientSampleId :
 CHRT-20111

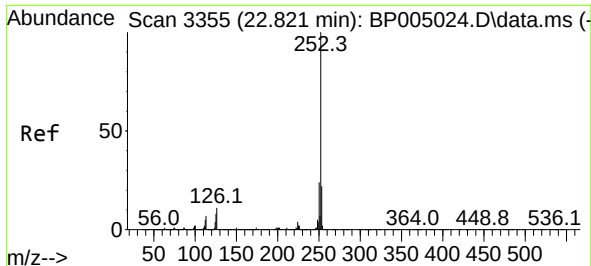
Tgt Ion:264 Resp: 148694
 Ion Ratio Lower Upper
 264 100
 260 22.4 18.8 28.2
 265 21.0 17.4 26.2



#87
 Indeno(1,2,3-cd)pyrene
 Concen: 8.97 ng
 RT: 25.833 min Scan# 3867
 Delta R.T. -0.006 min
 Lab File: BP005208.D
 Acq: 06 Apr 2021 21:41

Tgt Ion:276 Resp: 100018
 Ion Ratio Lower Upper
 276 100
 138 19.3 18.7 28.1
 277 25.5 20.4 30.6

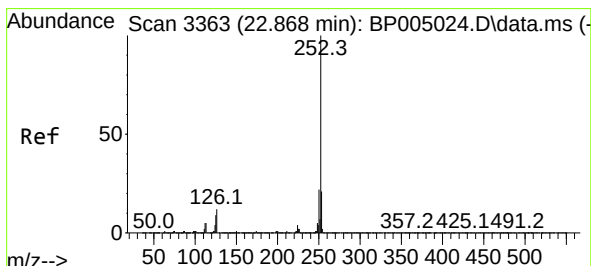
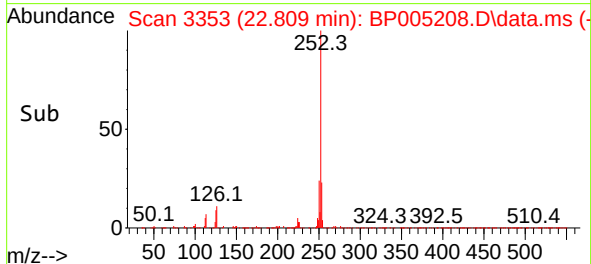
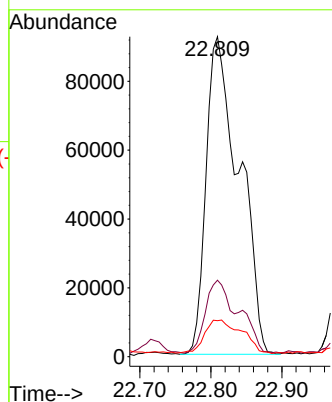
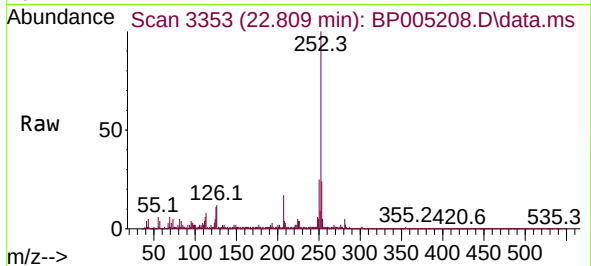




#88
Benzo(b)fluoranthene
Concen: 28.30 ng
RT: 22.809 min Scan# 3353
Delta R.T. 0.006 min
Lab File: BP005208.D
Acq: 06 Apr 2021 21:41

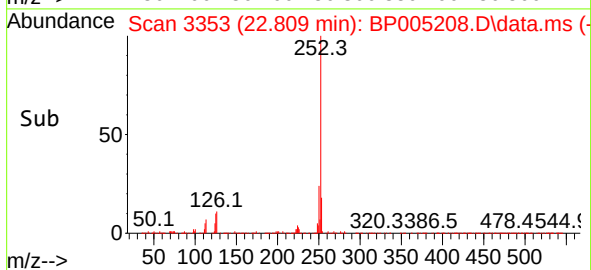
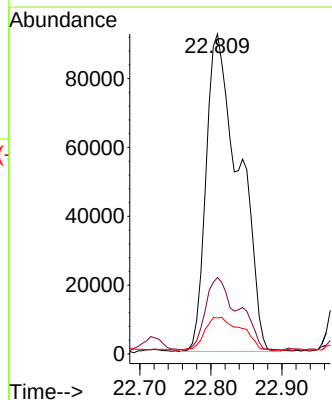
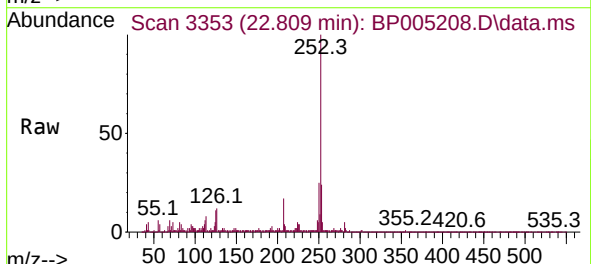
Instrument :
BNA_P
ClientSampleId :
CHRT-20111

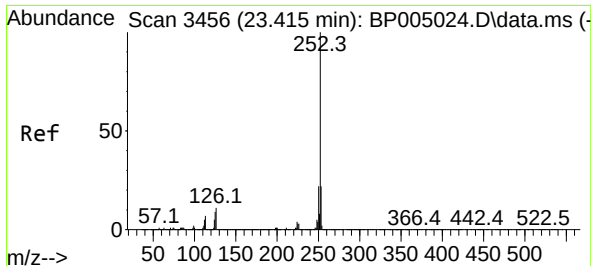
Tgt Ion:252 Resp: 298828
Ion Ratio Lower Upper
252 100
253 23.9 17.6 26.4
125 11.3 7.3 10.9#



#89
Benzo(k)fluoranthene
Concen: 29.53 ng
RT: 22.809 min Scan# 3353
Delta R.T. -0.041 min
Lab File: BP005208.D
Acq: 06 Apr 2021 21:41

Tgt Ion:252 Resp: 298828
Ion Ratio Lower Upper
252 100
253 23.9 17.8 26.8
125 11.3 7.4 11.2#

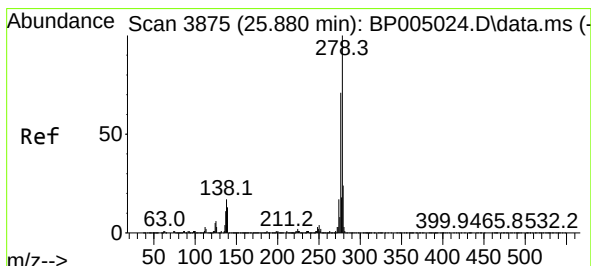
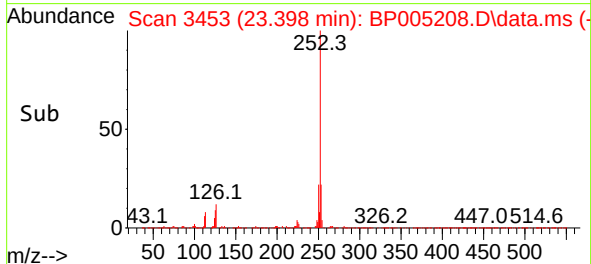
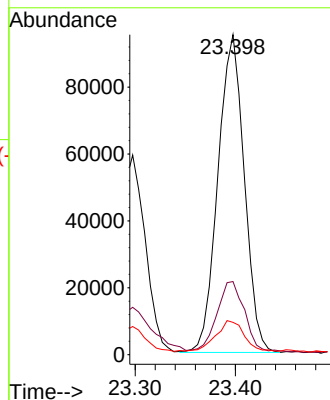
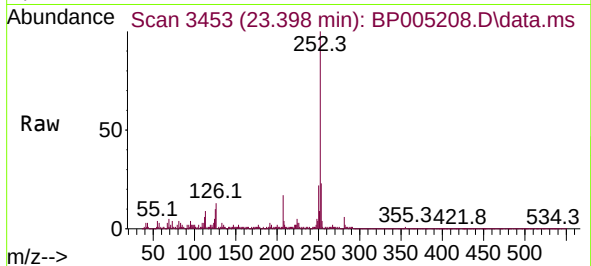




#90
Benzo(a)pyrene
Concen: 18.30 ng
RT: 23.398 min Scan# 3453
Delta R.T. 0.006 min
Lab File: BP005208.D
Acq: 06 Apr 2021 21:41

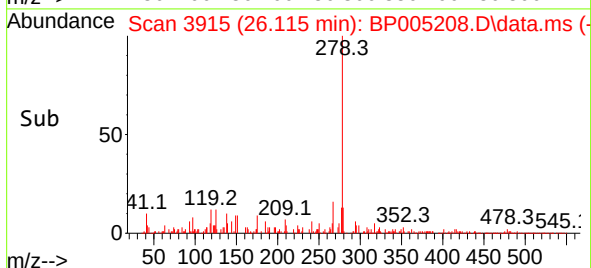
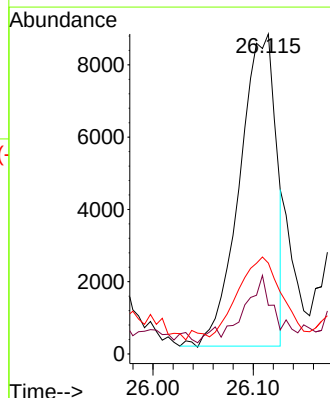
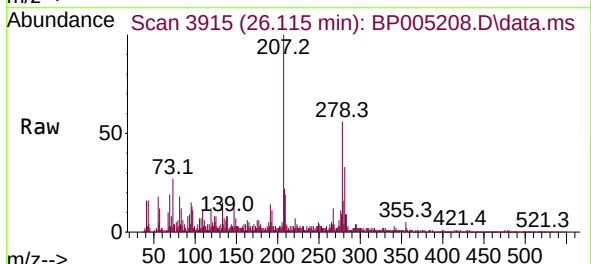
Instrument :
BNA_P
ClientSampleId :
CHRT-20111

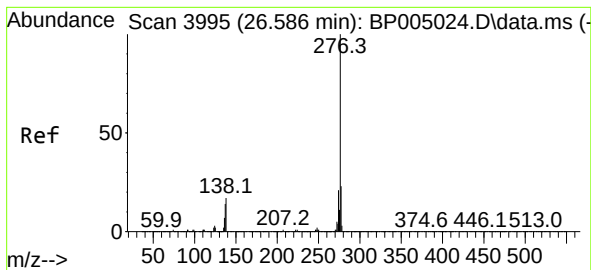
Tgt Ion:252 Resp: 173285
Ion Ratio Lower Upper
252 100
253 22.8 17.4 26.0
125 10.1 8.2 12.4



#91
Dibenzo(a,h)anthracene
Concen: 2.27 ng
RT: 26.115 min Scan# 3915
Delta R.T. 0.270 min
Lab File: BP005208.D
Acq: 06 Apr 2021 21:41

Tgt Ion:278 Resp: 21920
Ion Ratio Lower Upper
278 100
139 15.2 12.4 18.6
279 28.4 19.0 28.6





#92
 Benzo(g,h,i)perylene
 Concen: 10.88 ng
 RT: 26.556 min Scan# 3990
 Delta R.T. 0.006 min
 Lab File: BP005208.D
 Acq: 06 Apr 2021 21:41

Instrument :
 BNA_P
 ClientSampleId :
 CHRT-20111

Tgt Ion:	276	Resp:	101251
Ion	Ratio	Lower	Upper
276	100		
277	22.2	19.0	28.6
138	18.3	16.6	24.8

