

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP071221\
 Data File : BP006193.D
 Acq On : 12 Jul 2021 21:55
 Operator : CG/JU
 Sample : M3001-01 5X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 CHRT-25720

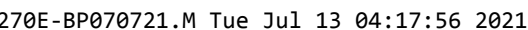
Quant Time: Jul 13 04:17:47 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP070721.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 12 14:59:51 2021
 Response via : Initial Calibration

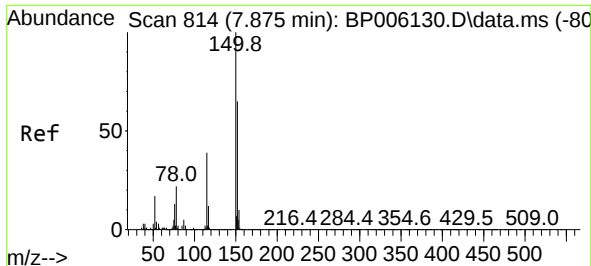
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.864	152	215858	20.00	ng	0.00
21) Naphthalene-d8	10.663	136	868673	20.00	ng	0.00
39) Acenaphthene-d10	14.498	164	461517	20.00	ng	0.00
64) Phenanthrene-d10	17.263	188	873159	20.00	ng	# 0.01
76) Chrysene-d12	21.333	240	913957	20.00	ng	# 0.00
86) Perylene-d12	23.716	264	1031243	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.446	112	151839	12.10	ng	0.00
7) Phenol-d6	7.064	99	186377	11.23	ng	0.02
23) Nitrobenzene-d5	9.040	82	118653	8.63	ng	0.00
42) 2,4,6-Tribromophenol	16.004	330	77324	14.07	ng	0.00
45) 2-Fluorobiphenyl	13.122	172	287724	9.22	ng	0.00
79) Terphenyl-d14	19.804	244	454203	9.80	ng	0.00
Target Compounds						Qvalue
32) Benzoic acid	10.093	122	754	6.98	ng	# 68
41) Hexachlorocyclopentadiene	12.646	237	25	8.71	ng	74
51) 2,6-Dinitrotoluene	14.104	165	18161	2.43	ng	# 34
53) 3-Nitroaniline	14.398	138	34961	4.61	ng	# 16
54) 2,4-Dinitrophenol	14.657	184	460	8.98	ng	# 1
56) 4-Nitrophenol	14.769	139	3451	7.66	ng	# 1
58) Fluorene	15.551	166	104347	3.20	ng	# 68
62) 4-Nitroaniline	15.498	138	10725	4.26	ng	94
65) 4,6-Dinitro-2-methylph...	15.675	198	7640	5.64	ng	# 1
66) n-Nitrosodiphenylamine	15.763	169	184659	6.50	ng	# 42
71) Phenanthrene	17.304	178	1759719	35.69	ng	# 93
72) Anthracene	17.398	178	240388	4.98	ng	# 61
73) Carbazole	17.675	167	166608	3.48	ng	# 30
74) Di-n-butylphthalate	18.198	149	257694	4.47	ng	# 59
75) Fluoranthene	19.275	202	4701017	86.98	ng	96
78) Pyrene	19.622	202	3926935	63.57	ng	98
81) Benzo(a)anthracene	21.316	228	1953774	33.80	ng	99
83) Chrysene	21.369	228	2208213	38.65	ng	98
87) Indeno(1,2,3-cd)pyrene	26.227	276	1568175	20.63	ng	# 93
88) Benzo(b)fluoranthene	22.992	252	3303003	52.80	ng	# 94
89) Benzo(k)fluoranthene	22.992	252	3303003	54.02	ng	# 94
90) Benzo(a)pyrene	23.610	252	1889535	32.19	ng	# 95
91) Dibenzo(a,h)anthracene	26.221	278	411622	6.29	ng	# 89
92) Benzo(g,h,i)perylene	26.998	276	1510108	23.44	ng	# 88

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

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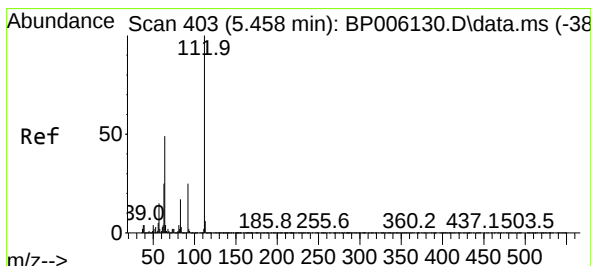
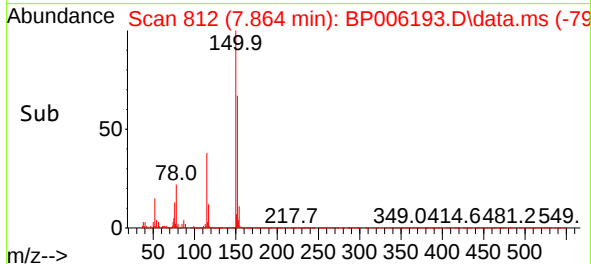
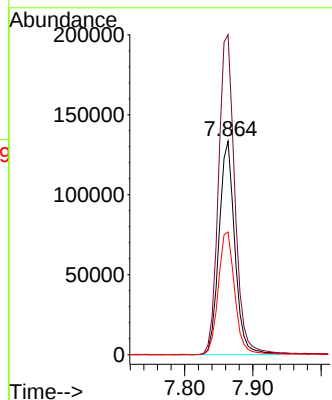
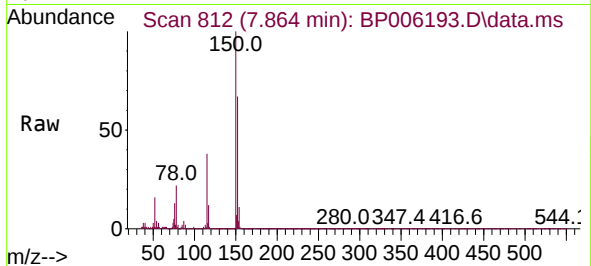




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.864 min Scan# 812
Delta R.T. 0.000 min
Lab File: BP006193.D
Acq: 12 Jul 2021 21:55

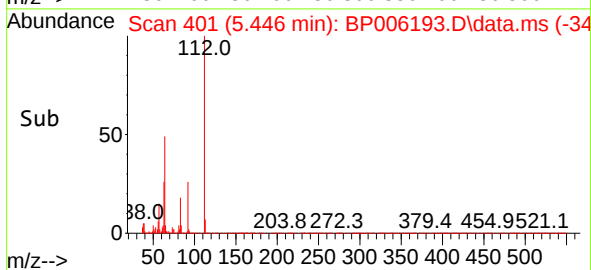
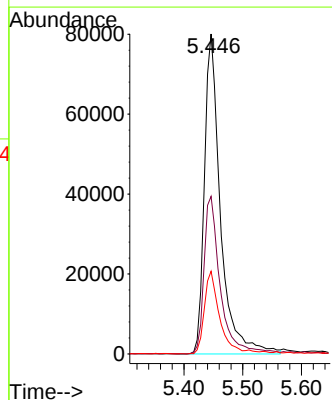
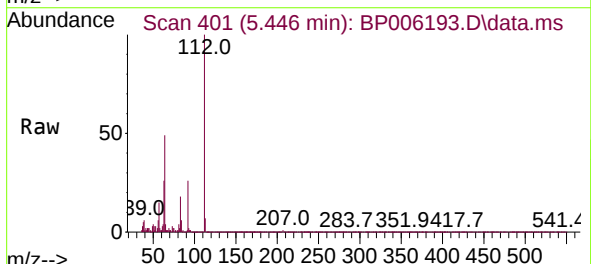
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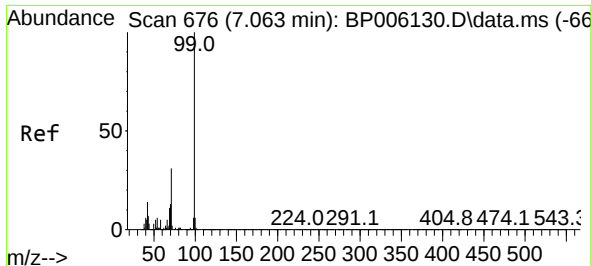
Tgt Ion:152 Resp: 215858
Ion Ratio Lower Upper
152 100
150 149.9 125.6 188.4
115 57.5 48.5 72.7



#5
2-Fluorophenol
Concen: 12.10 ng
RT: 5.446 min Scan# 401
Delta R.T. 0.006 min
Lab File: BP006193.D
Acq: 12 Jul 2021 21:55

Tgt Ion:112 Resp: 151839
Ion Ratio Lower Upper
112 100
64 49.3 41.4 62.2
63 25.8 23.8 35.8

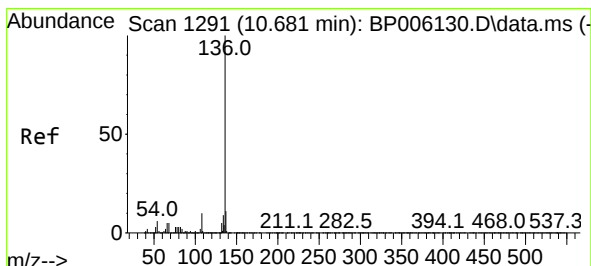
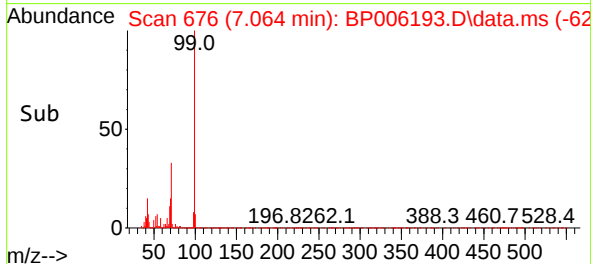
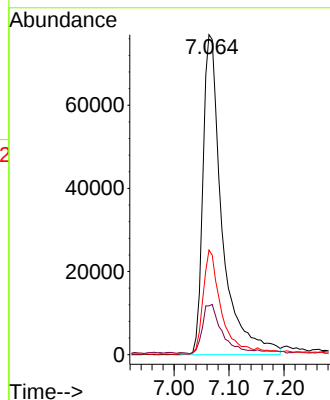
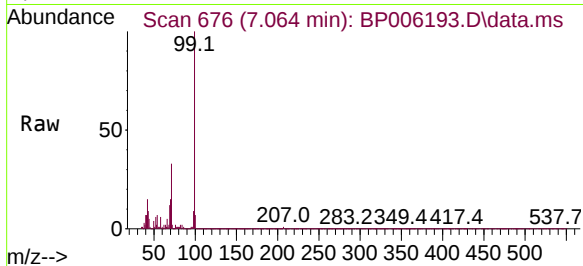




#7
Phenol-d6
Concen: 11.23 ng
RT: 7.064 min Scan# 676
Delta R.T. 0.018 min
Lab File: BP006193.D
Acq: 12 Jul 2021 21:55

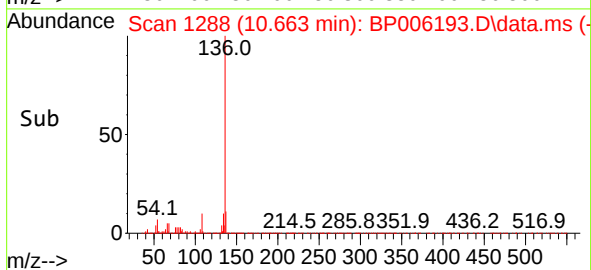
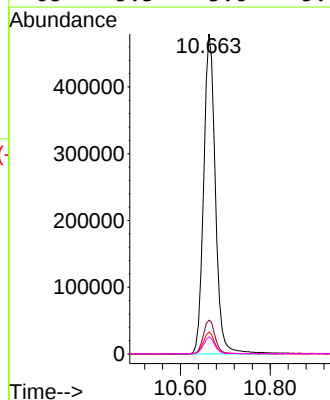
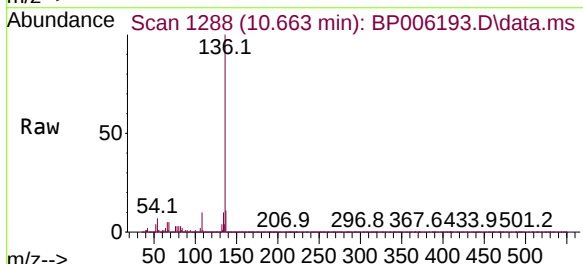
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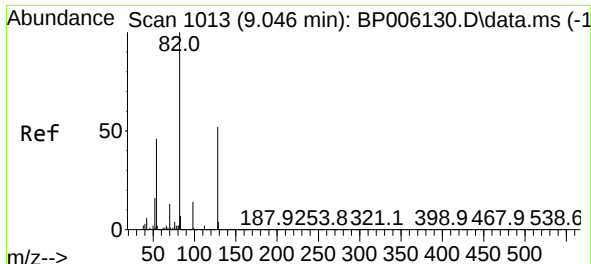
Tgt Ion:	99	Resp:	186377
Ion	Ratio	Lower	Upper
99	100		
42	15.2	13.4	20.0
71	32.7	30.6	46.0



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.663 min Scan# 1288
Delta R.T. 0.000 min
Lab File: BP006193.D
Acq: 12 Jul 2021 21:55

Tgt Ion:	136	Resp:	868673
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.6	12.8
54	6.8	4.6	6.8
68	5.3	3.6	5.4

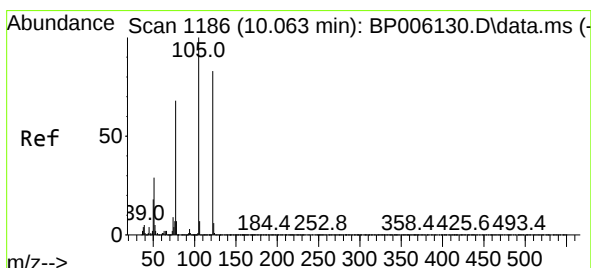
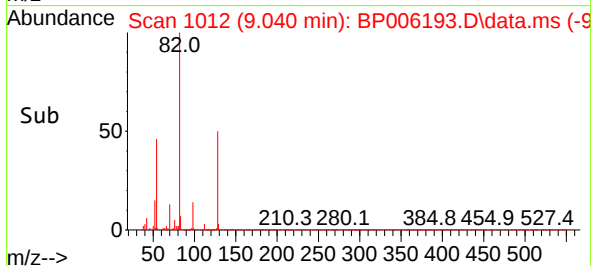
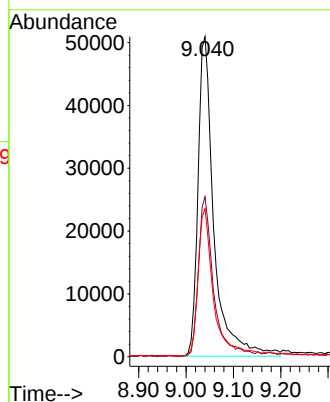
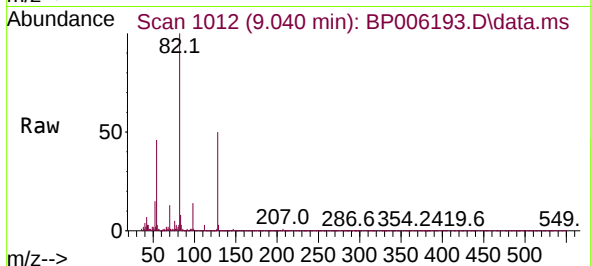




#23
Nitrobenzene-d5
Concen: 8.63 ng
RT: 9.040 min Scan# 1012
Delta R.T. 0.006 min
Lab File: BP006193.D
Acq: 12 Jul 2021 21:55

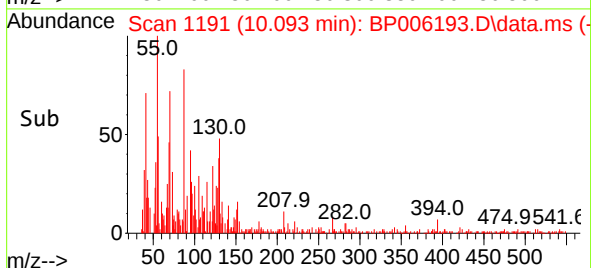
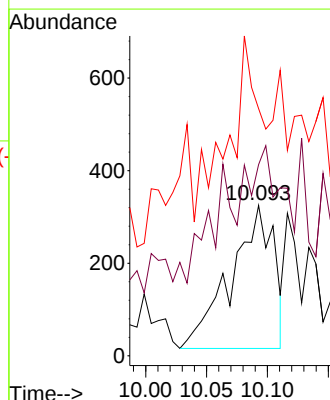
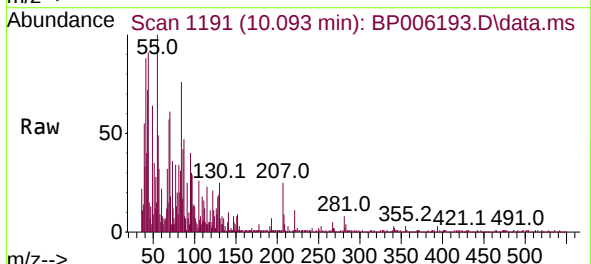
Instrument :
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ClientSampleId :
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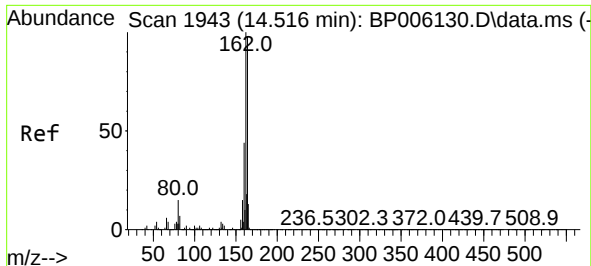
Tgt Ion: 82 Resp: 118653
Ion Ratio Lower Upper
82 100
128 49.9 35.7 53.5
54 46.3 35.0 52.4



#32
Benzoic acid
Concen: 6.98 ng
RT: 10.093 min Scan# 1191
Delta R.T. 0.030 min
Lab File: BP006193.D
Acq: 12 Jul 2021 21:55

Tgt Ion: 122 Resp: 754
Ion Ratio Lower Upper
122 100
105 127.1 103.2 143.2
77 164.3 76.2 116.2#

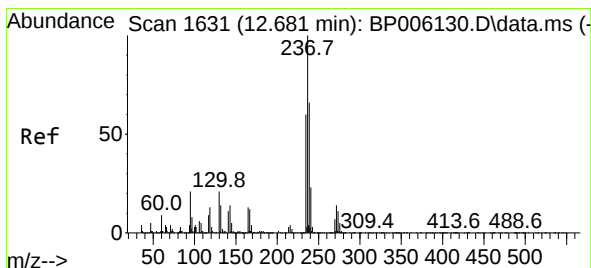
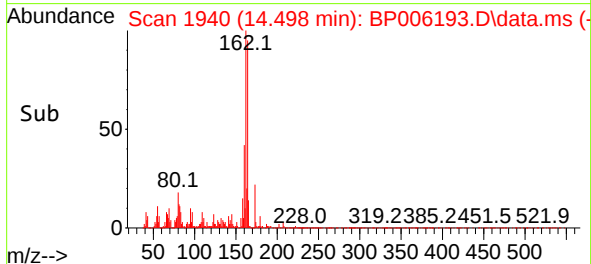
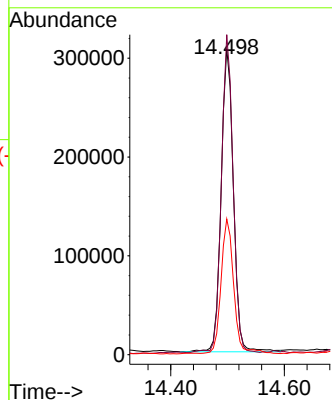
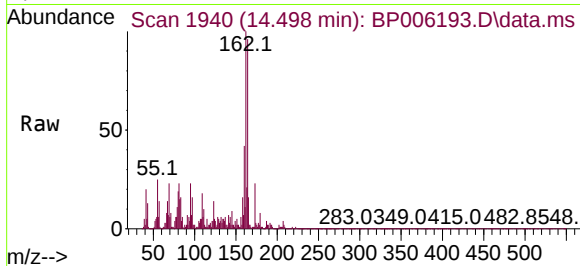




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.498 min Scan# 1940
Delta R.T. 0.000 min
Lab File: BP006193.D
Acq: 12 Jul 2021 21:55

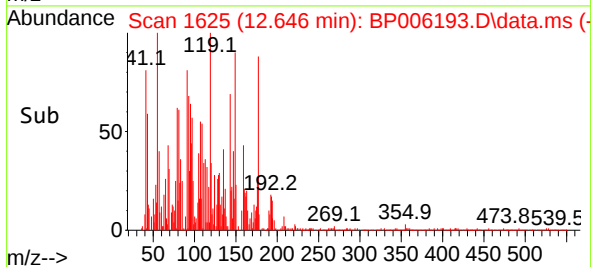
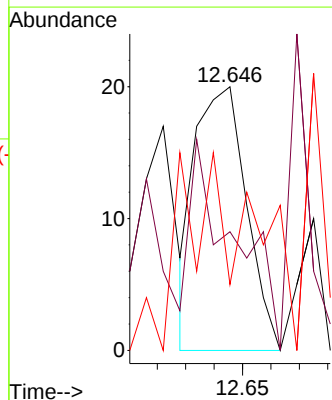
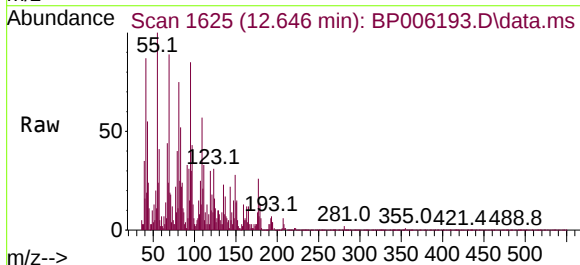
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ClientSampleId :
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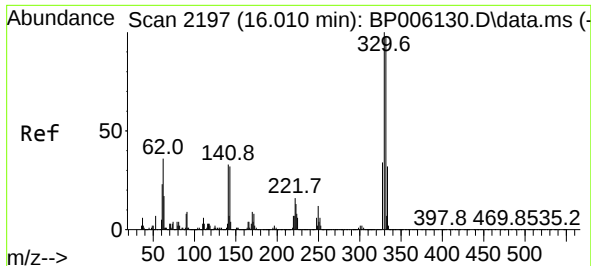
Tgt Ion:164	Resp: 461517
Ion Ratio	Lower Upper
164	100
162	104.5 80.2 120.2
160	44.3 34.5 51.7



#41
Hexachlorocyclopentadiene
Concen: 8.71 ng
RT: 12.646 min Scan# 1625
Delta R.T. -0.023 min
Lab File: BP006193.D
Acq: 12 Jul 2021 21:55

Tgt Ion:237	Resp: 25
Ion Ratio	Lower Upper
237	100
235	45.0 44.5 84.5
272	25.0 0.0 32.5

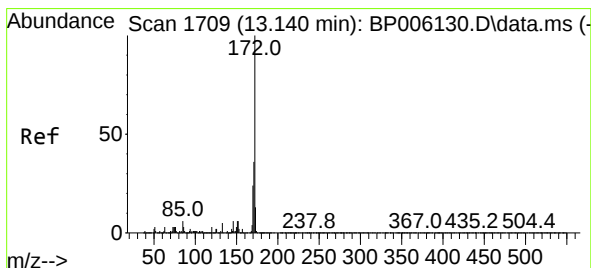
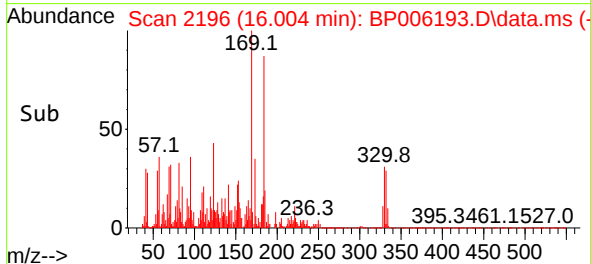
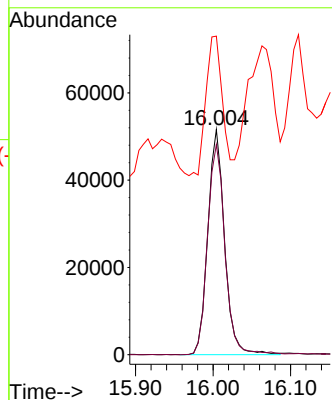
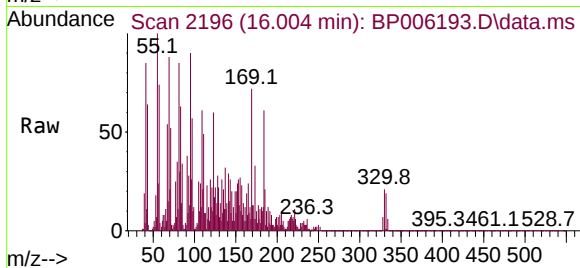




#42
2,4,6-Tribromophenol
Concen: 14.07 ng
RT: 16.004 min Scan# 2196
Delta R.T. 0.006 min
Lab File: BP006193.D
Acq: 12 Jul 2021 21:55

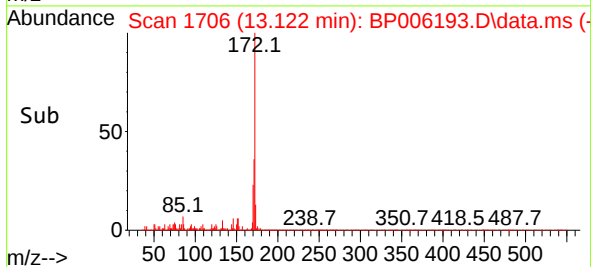
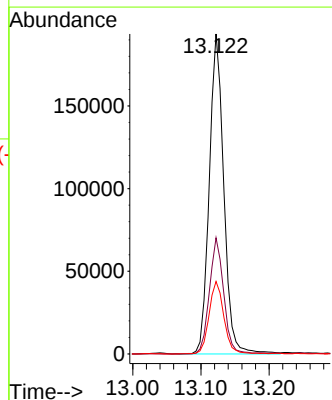
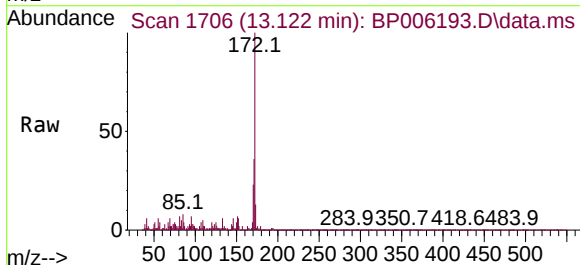
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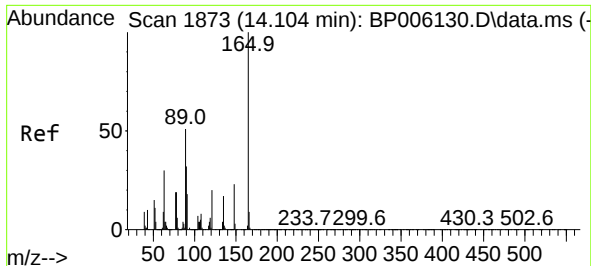
Tgt Ion:330 Resp: 77324
Ion Ratio Lower Upper
330 100
332 97.4 77.8 116.8
141 61.7 25.4 38.2#



#45
2-Fluorobiphenyl
Concen: 9.22 ng
RT: 13.122 min Scan# 1706
Delta R.T. 0.000 min
Lab File: BP006193.D
Acq: 12 Jul 2021 21:55

Tgt Ion:172 Resp: 287724
Ion Ratio Lower Upper
172 100
171 36.3 27.9 41.9
170 22.7 18.6 27.8

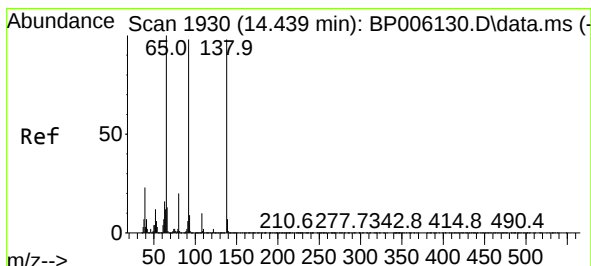
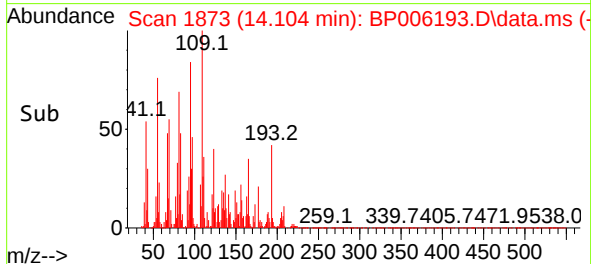
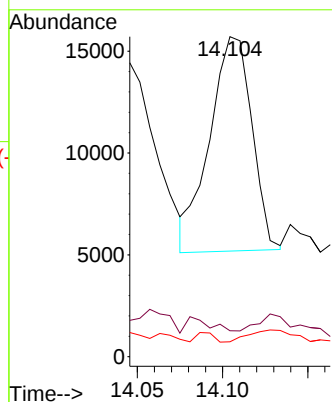
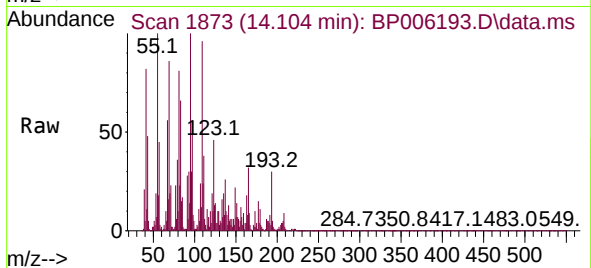




#51
2,6-Dinitrotoluene
Concen: 2.43 ng
RT: 14.104 min Scan# 1873
Delta R.T. 0.012 min
Lab File: BP006193.D
Acq: 12 Jul 2021 21:55

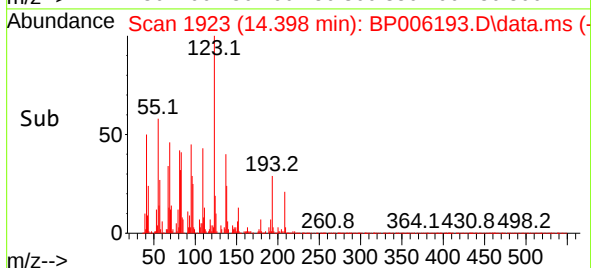
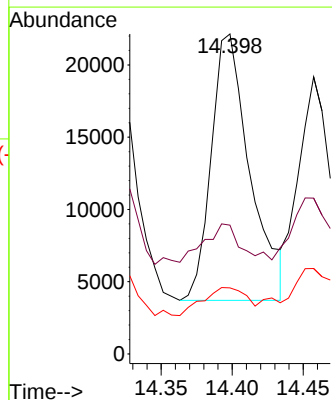
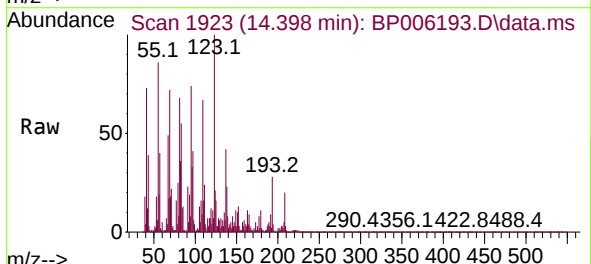
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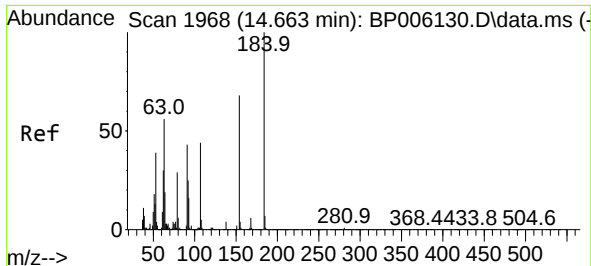
Tgt Ion:165 Resp: 18161
Ion Ratio Lower Upper
165 100
63 8.1 41.3 61.9#
89 4.7 44.8 67.2#



#53
3-Nitroaniline
Concen: 4.61 ng
RT: 14.398 min Scan# 1923
Delta R.T. -0.023 min
Lab File: BP006193.D
Acq: 12 Jul 2021 21:55

Tgt Ion:138 Resp: 34961
Ion Ratio Lower Upper
138 100
108 40.2 8.4 12.6#
92 20.7 87.8 131.8#

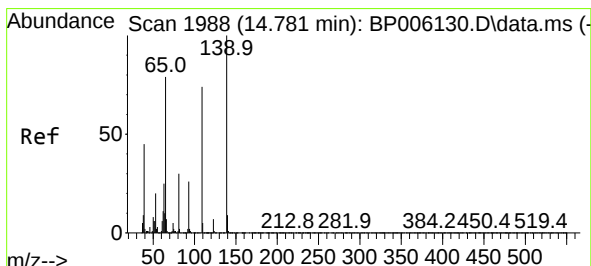
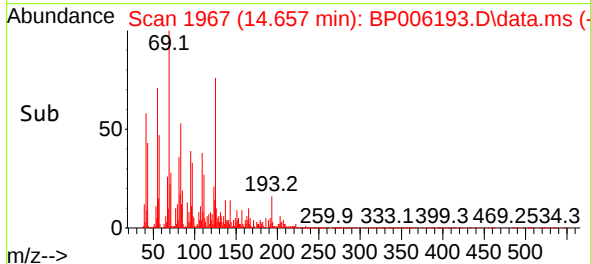
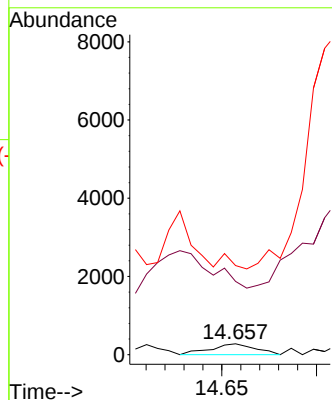
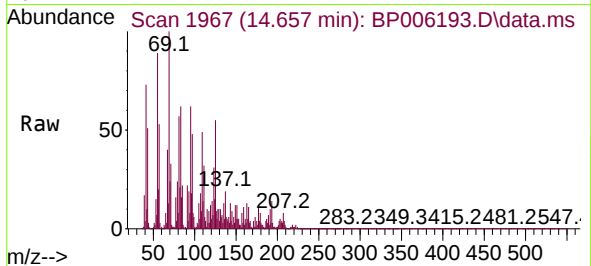




#54
2,4-Dinitrophenol
Concen: 8.98 ng
RT: 14.657 min Scan# 1967
Delta R.T. 0.000 min
Lab File: BP006193.D
Acq: 12 Jul 2021 21:55

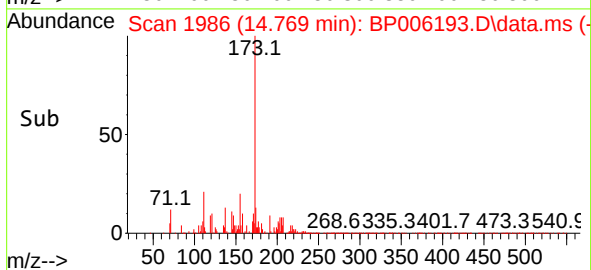
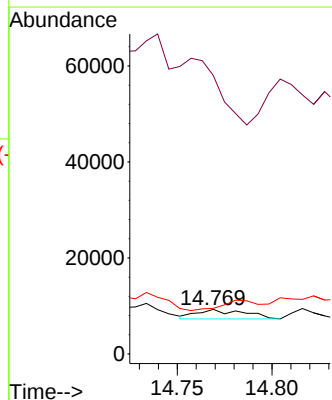
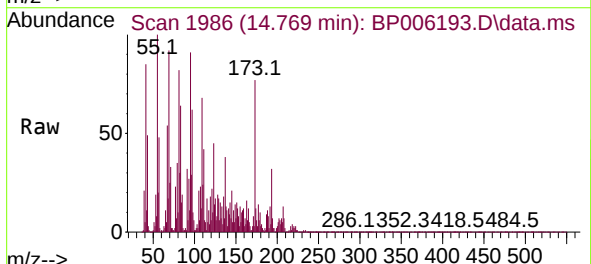
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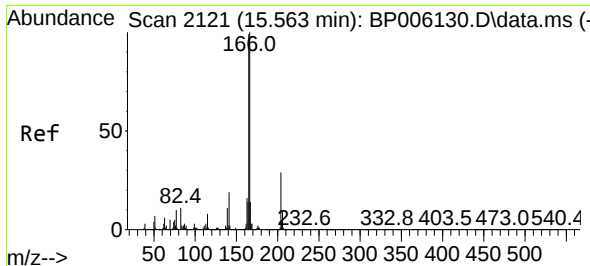
Tgt Ion:184 Resp: 460
Ion Ratio Lower Upper
184 100
63 671.7 47.0 70.6#
154 817.2 52.3 78.5#



#56
4-Nitrophenol
Concen: 7.66 ng
RT: 14.769 min Scan# 1986
Delta R.T. 0.000 min
Lab File: BP006193.D
Acq: 12 Jul 2021 21:55

Tgt Ion:139 Resp: 3451
Ion Ratio Lower Upper
139 100
109 624.3 72.3 112.3#
65 102.2 72.5 112.5

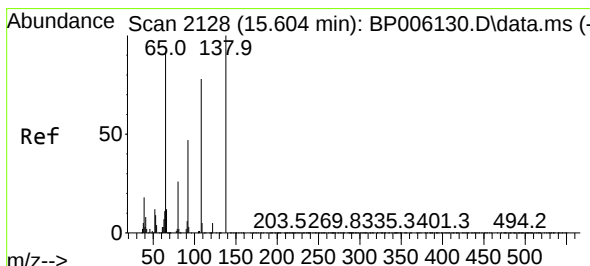
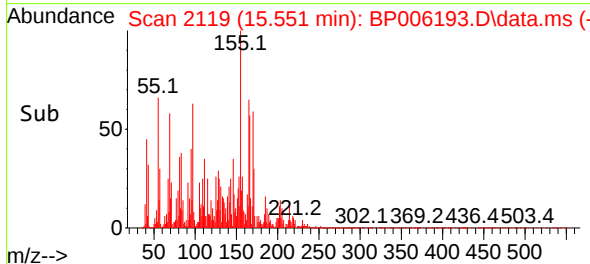
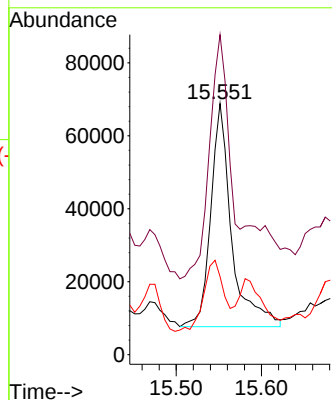
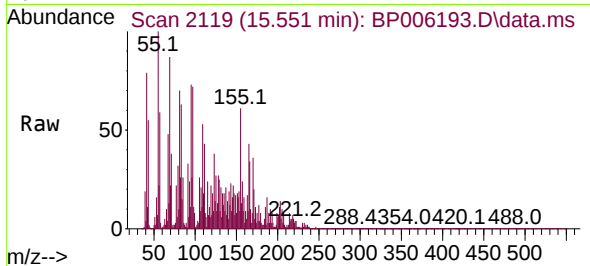




#58
Fluorene
Concen: 3.20 ng
RT: 15.551 min Scan# 2119
Delta R.T. 0.000 min
Lab File: BP006193.D
Acq: 12 Jul 2021 21:55

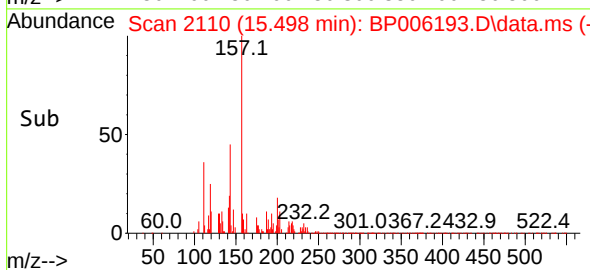
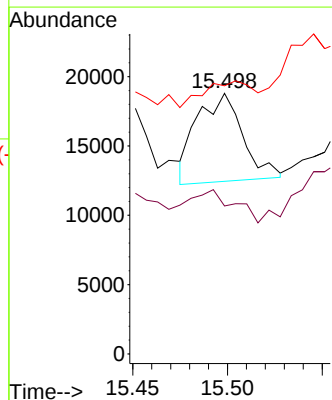
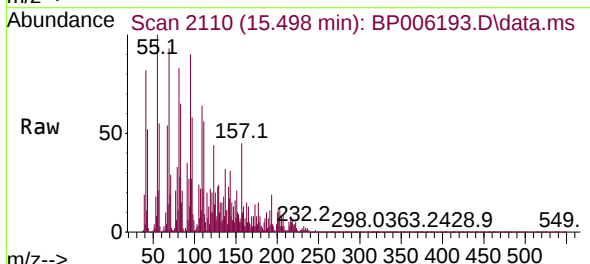
Instrument :
BNA_P
ClientSampleId :
CHRT-25720

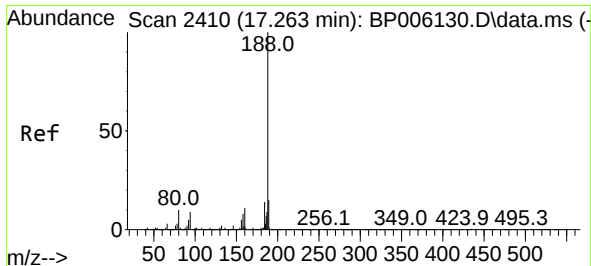
Tgt Ion:166 Resp: 104347
Ion Ratio Lower Upper
166 100
165 127.4 78.0 117.0#
167 31.1 10.5 15.7#



#62
4-Nitroaniline
Concen: 4.26 ng
RT: 15.498 min Scan# 2110
Delta R.T. -0.094 min
Lab File: BP006193.D
Acq: 12 Jul 2021 21:55

Tgt Ion:138 Resp: 10725
Ion Ratio Lower Upper
138 100
92 56.8 31.2 71.2
108 102.9 78.6 118.6

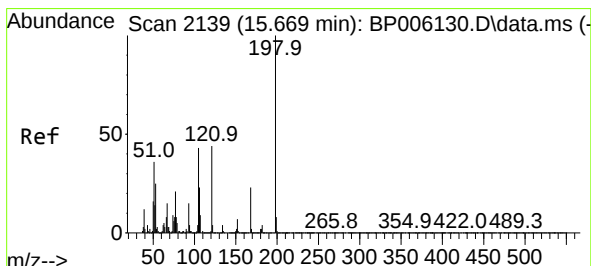
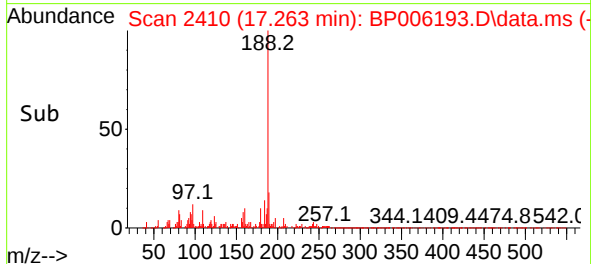
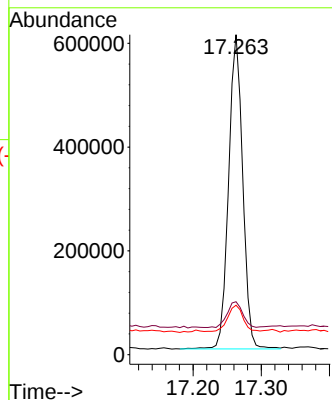
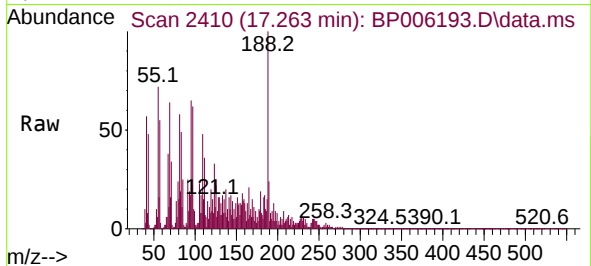




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.263 min Scan# 2410
Delta R.T. 0.012 min
Lab File: BP006193.D
Acq: 12 Jul 2021 21:55

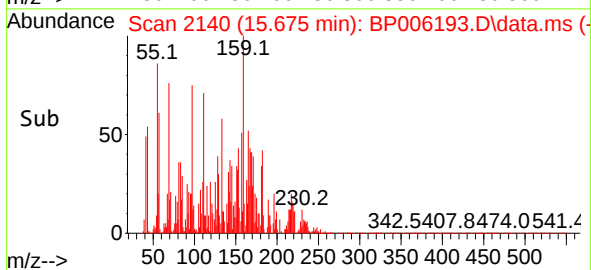
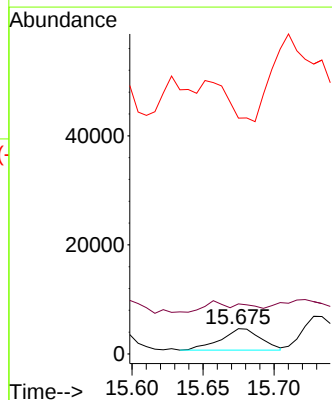
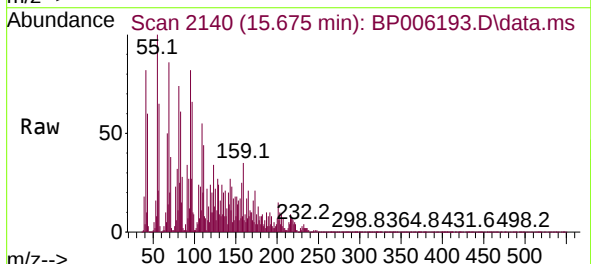
Instrument :
BNA_P
ClientSampleId :
CHRT-25720

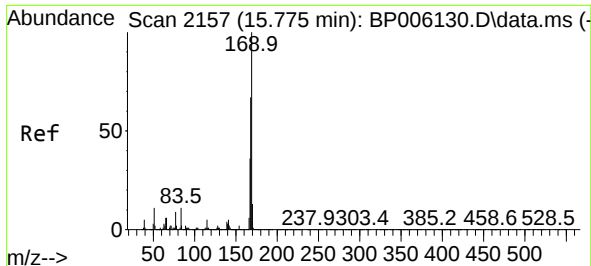
Tgt Ion:188 Resp: 873159
Ion Ratio Lower Upper
188 100
94 16.5 5.6 8.4#
80 15.5 6.3 9.5#



#65
4,6-Dinitro-2-methylphenol
Concen: 5.64 ng
RT: 15.675 min Scan# 2140
Delta R.T. 0.018 min
Lab File: BP006193.D
Acq: 12 Jul 2021 21:55

Tgt Ion:198 Resp: 7640
Ion Ratio Lower Upper
198 100
51 197.9 14.0 54.0#
105 930.9 19.5 59.5#

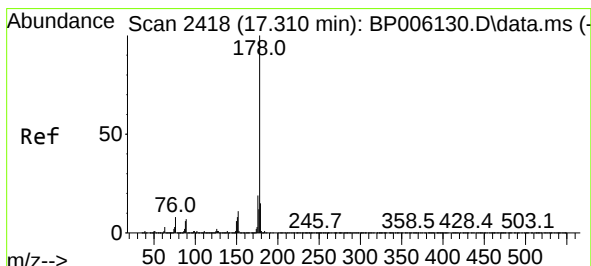
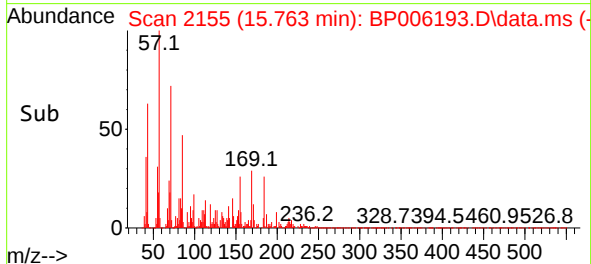
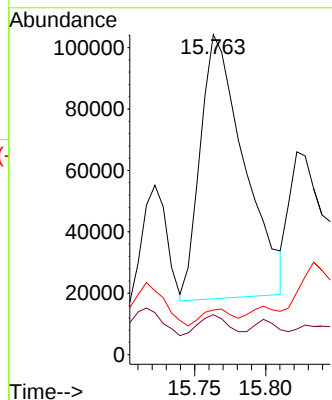
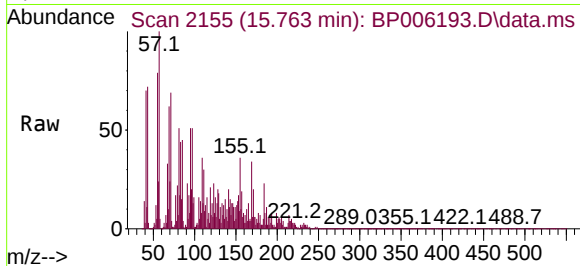




#66
n-Nitrosodiphenylamine
Concen: 6.50 ng
RT: 15.763 min Scan# 2155
Delta R.T. 0.006 min
Lab File: BP006193.D
Acq: 12 Jul 2021 21:55

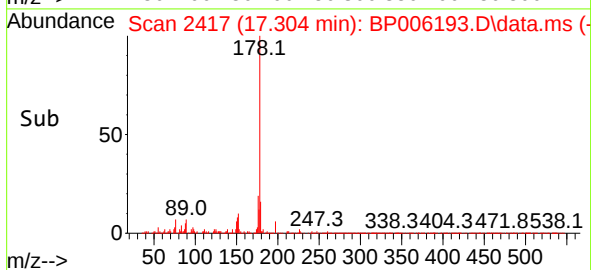
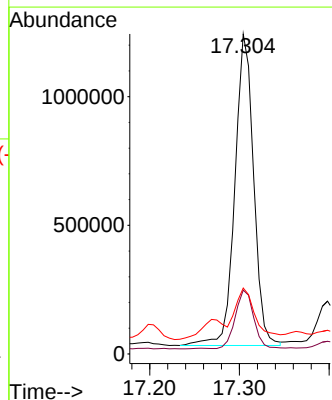
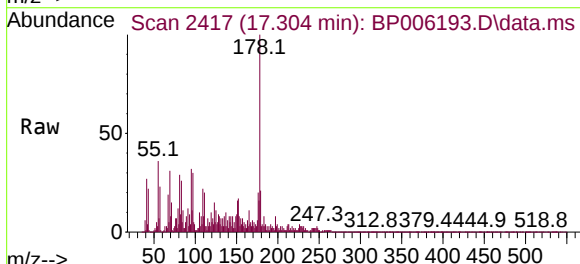
Instrument :
BNA_P
ClientSampleId :
CHRT-25720

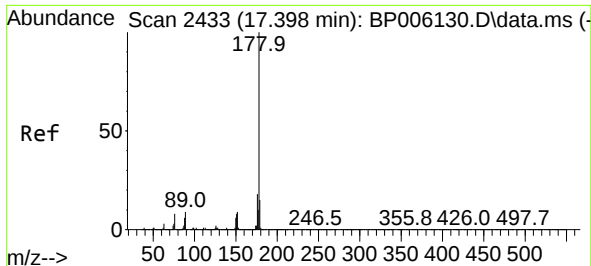
Tgt Ion:169 Resp: 184659
Ion Ratio Lower Upper
169 100
168 12.5 54.4 81.6#
167 14.0 29.0 43.6#



#71
Phenanthrene
Concen: 35.69 ng
RT: 17.304 min Scan# 2417
Delta R.T. 0.012 min
Lab File: BP006193.D
Acq: 12 Jul 2021 21:55

Tgt Ion:178 Resp: 1759719
Ion Ratio Lower Upper
178 100
176 19.9 15.1 22.7
179 20.6 12.4 18.6#

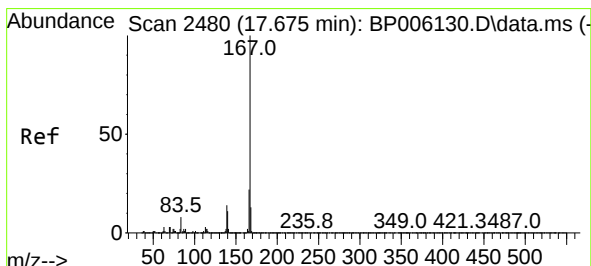
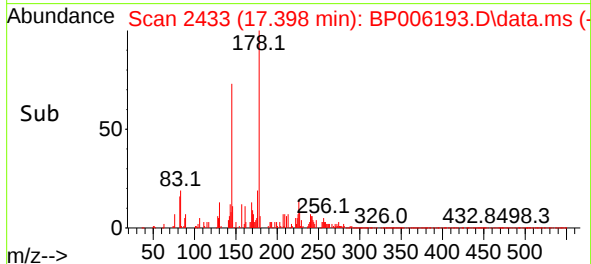
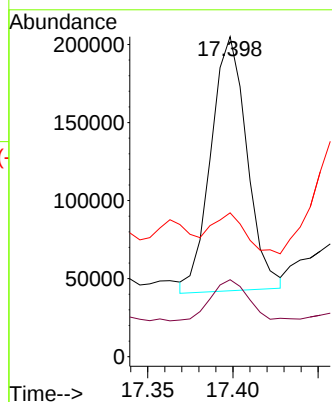
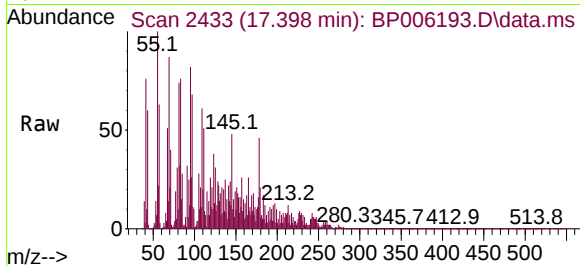




#72
 Anthracene
 Concen: 4.98 ng
 RT: 17.398 min Scan# 2433
 Delta R.T. 0.012 min
 Lab File: BP006193.D
 Acq: 12 Jul 2021 21:55

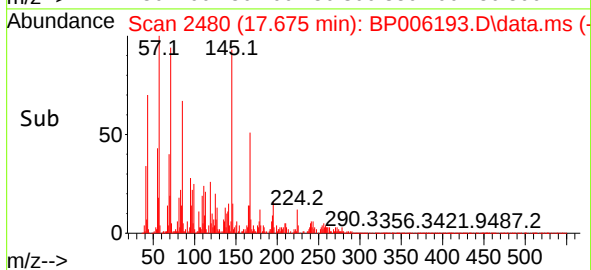
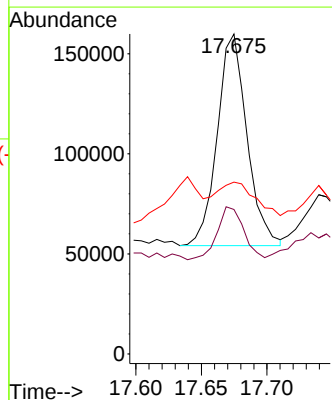
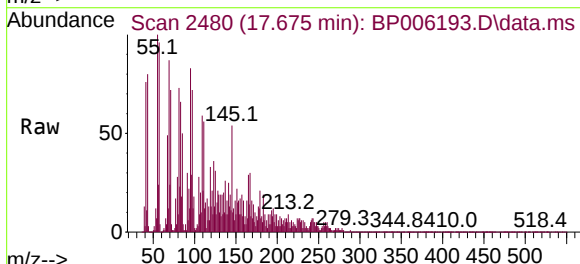
Instrument :
 BNA_P
 ClientSampleId :
 CHRT-25720

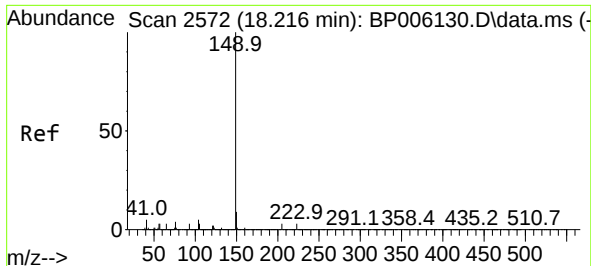
Tgt Ion:178 Resp: 240388
 Ion Ratio Lower Upper
 178 100
 176 24.0 14.9 22.3#
 179 45.0 12.2 18.2#



#73
 Carbazole
 Concen: 3.48 ng
 RT: 17.675 min Scan# 2480
 Delta R.T. 0.012 min
 Lab File: BP006193.D
 Acq: 12 Jul 2021 21:55

Tgt Ion:167 Resp: 166608
 Ion Ratio Lower Upper
 167 100
 166 45.1 17.1 25.7#
 139 53.7 10.7 16.1#

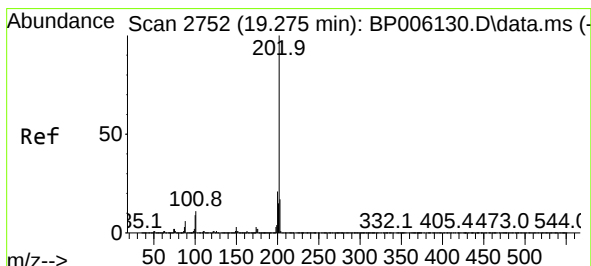
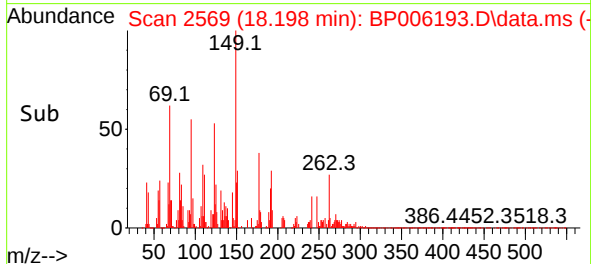
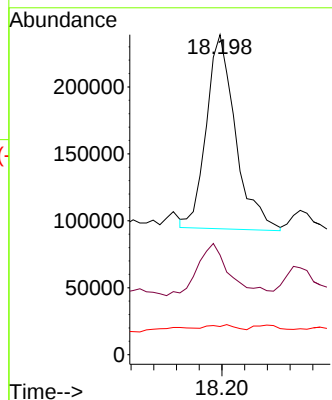
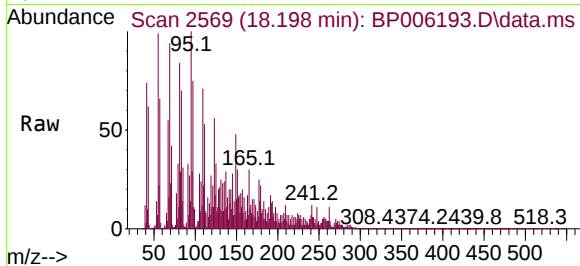




#74
Di-n-butylphthalate
Concen: 4.47 ng
RT: 18.198 min Scan# 2569
Delta R.T. 0.000 min
Lab File: BP006193.D
Acq: 12 Jul 2021 21:55

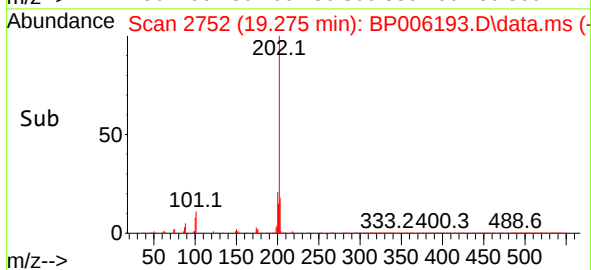
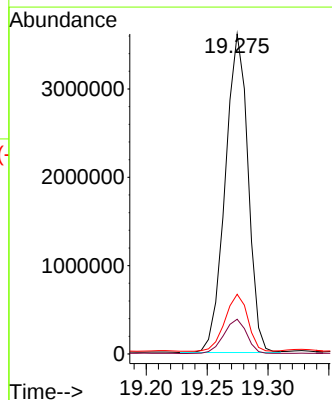
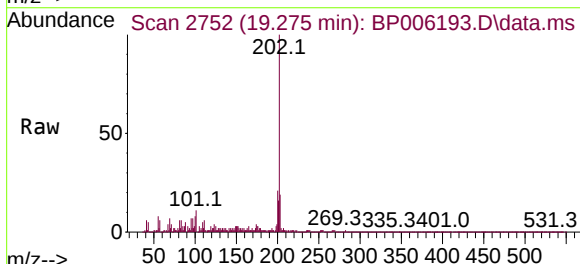
Instrument :
BNA_P
ClientSampleId :
CHRT-25720

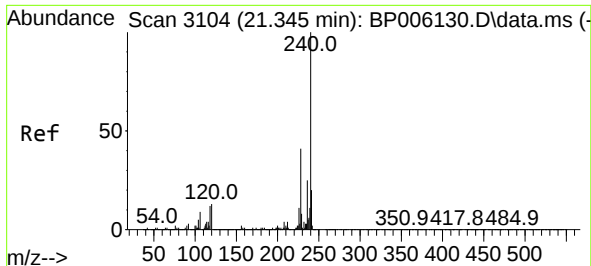
Tgt Ion:149 Resp: 257694
Ion Ratio Lower Upper
149 100
150 31.1 7.3 10.9#
104 8.8 4.5 6.7#



#75
Fluoranthene
Concen: 86.98 ng
RT: 19.275 min Scan# 2752
Delta R.T. 0.018 min
Lab File: BP006193.D
Acq: 12 Jul 2021 21:55

Tgt Ion:202 Resp: 4701017
Ion Ratio Lower Upper
202 100
101 10.9 0.0 27.6
203 18.6 0.0 37.8

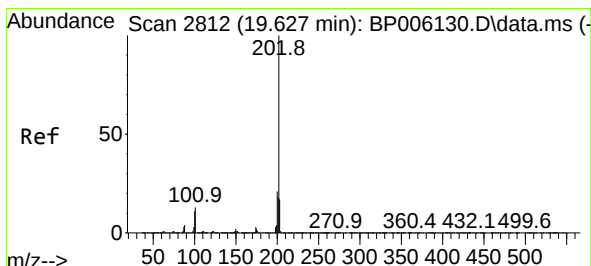
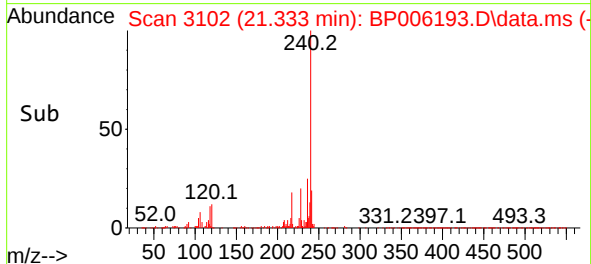
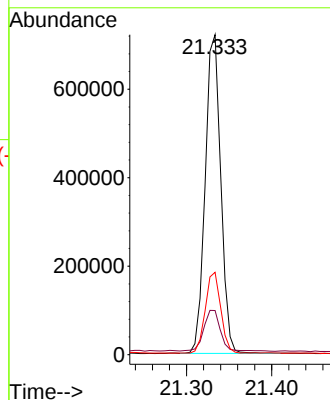
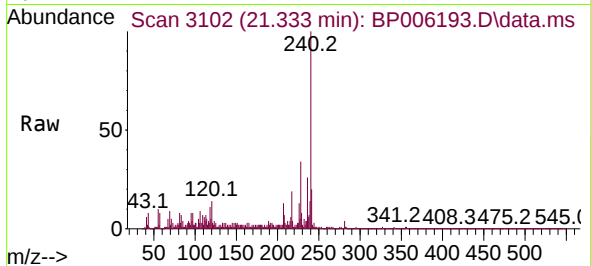




#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.333 min Scan# 3102
Delta R.T. 0.006 min
Lab File: BP006193.D
Acq: 12 Jul 2021 21:55

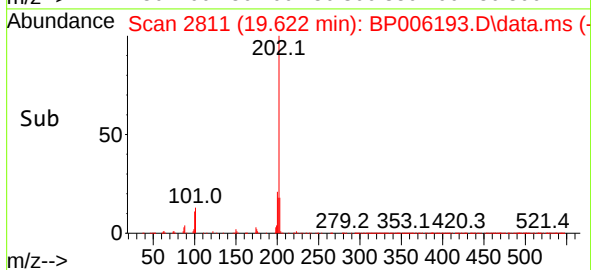
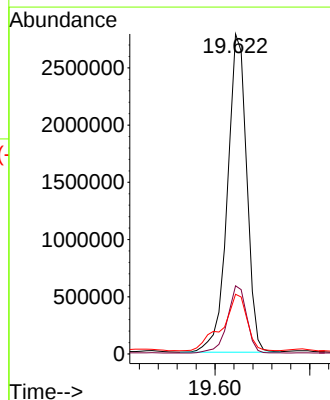
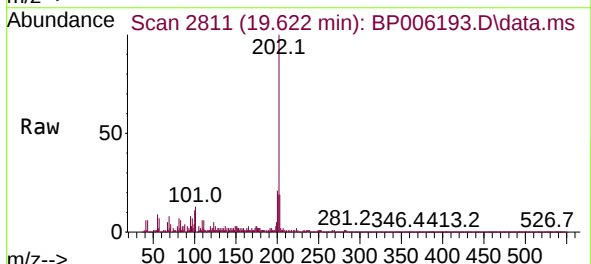
Instrument :
BNA_P
ClientSampleId :
CHRT-25720

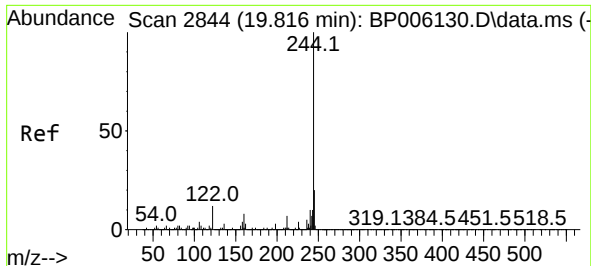
Tgt Ion:240 Resp: 913957
Ion Ratio Lower Upper
240 100
120 13.8 6.5 9.7#
236 25.8 20.6 31.0



#78
Pyrene
Concen: 63.57 ng
RT: 19.622 min Scan# 2811
Delta R.T. 0.012 min
Lab File: BP006193.D
Acq: 12 Jul 2021 21:55

Tgt Ion:202 Resp: 3926935
Ion Ratio Lower Upper
202 100
200 21.3 16.3 24.5
203 18.7 14.2 21.2

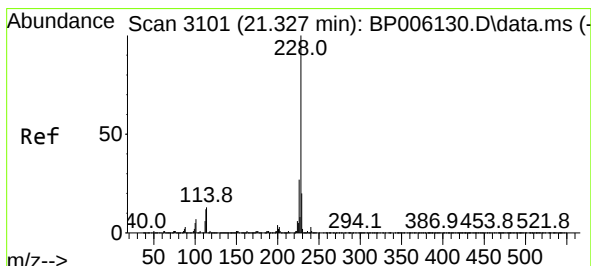
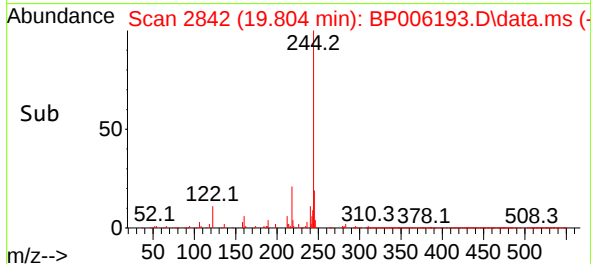
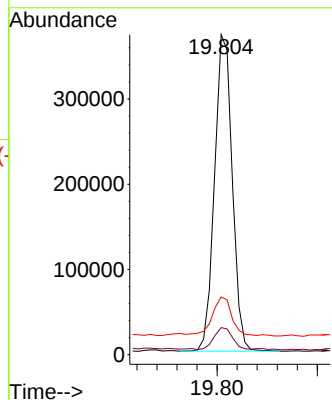
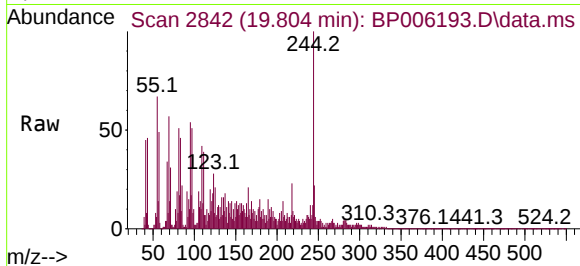




#79
Terphenyl-d14
Concen: 9.80 ng
RT: 19.804 min Scan# 2842
Delta R.T. 0.000 min
Lab File: BP006193.D
Acq: 12 Jul 2021 21:55

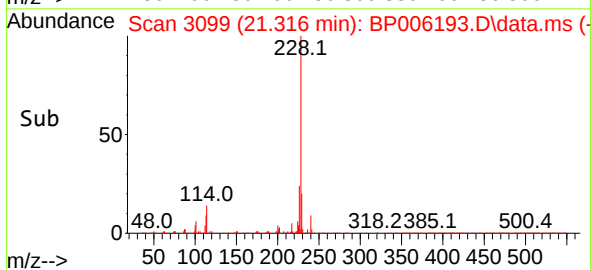
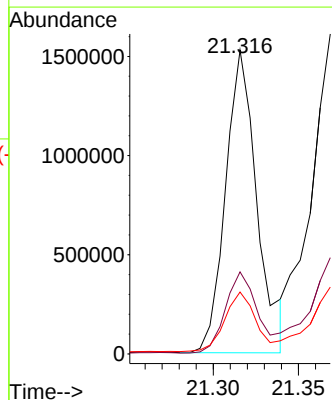
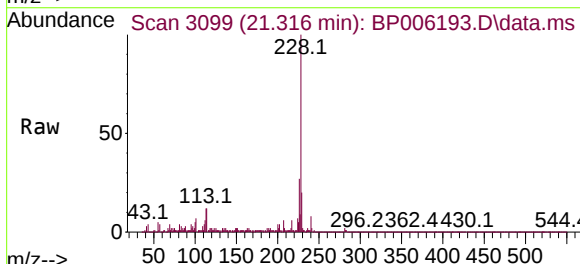
Instrument :
BNA_P
ClientSampleId :
CHRT-25720

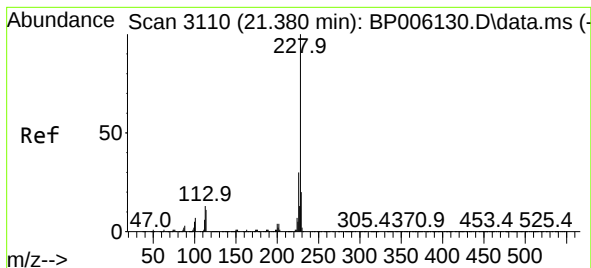
Tgt Ion:244 Resp: 454203
Ion Ratio Lower Upper
244 100
212 8.5 6.0 9.0
122 18.1 7.1 10.7#



#81
Benzo(a)anthracene
Concen: 33.80 ng
RT: 21.316 min Scan# 3099
Delta R.T. 0.000 min
Lab File: BP006193.D
Acq: 12 Jul 2021 21:55

Tgt Ion:228 Resp: 1953774
Ion Ratio Lower Upper
228 100
226 27.0 21.6 32.4
229 20.4 15.8 23.6





#83

Chrysene

Concen: 38.65 ng

RT: 21.369 min Scan# 3108

Delta R.T. 0.000 min

Lab File: BP006193.D

Acq: 12 Jul 2021 21:55

Tgt Ion:228 Resp: 2208213

Ion Ratio Lower Upper

228 100

226 30.1 23.8 35.6

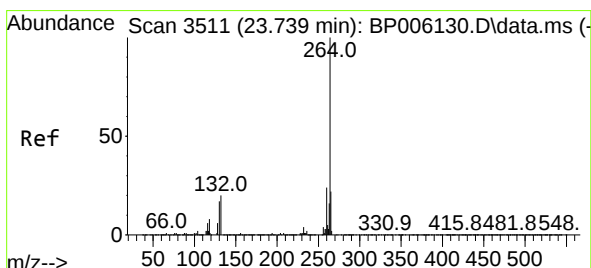
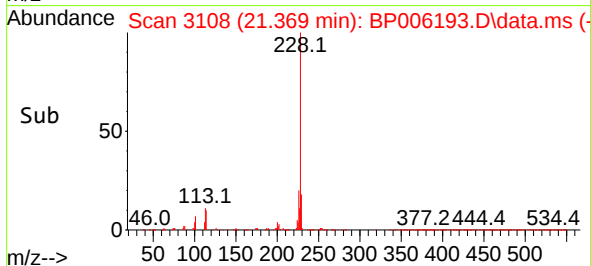
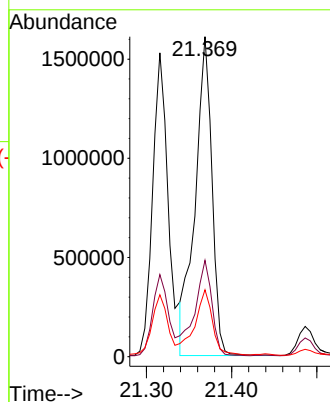
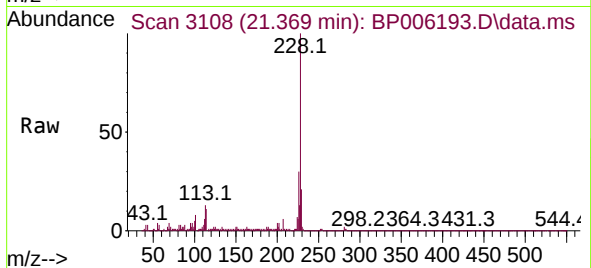
229 20.9 15.4 23.2

Instrument :

BNA_P

ClientSampleId :

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#86

Perylene-d12

Concen: 20.00 ng

RT: 23.716 min Scan# 3507

Delta R.T. 0.000 min

Lab File: BP006193.D

Acq: 12 Jul 2021 21:55

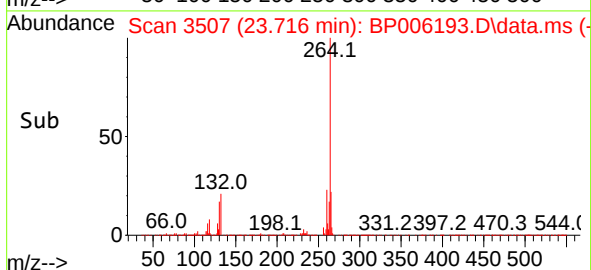
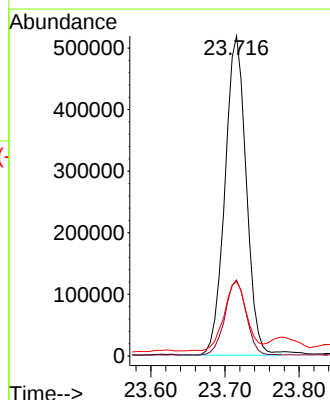
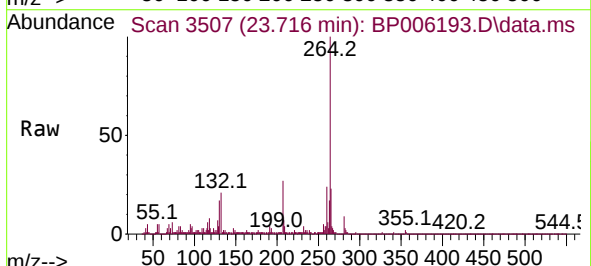
Tgt Ion:264 Resp: 1031243

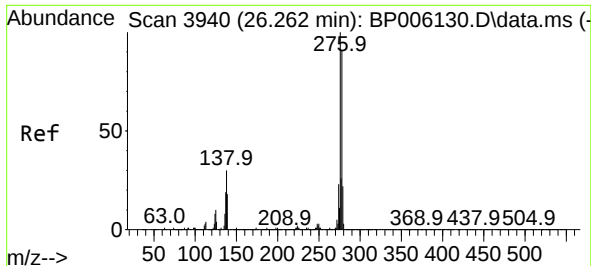
Ion Ratio Lower Upper

264 100

260 23.8 18.6 28.0

265 23.3 17.6 26.4

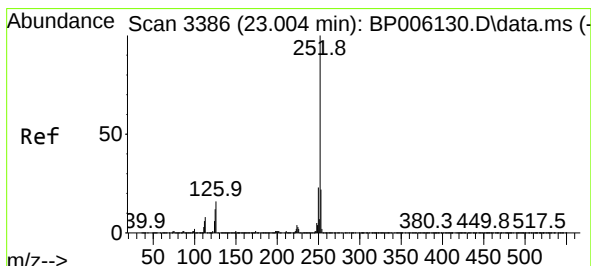
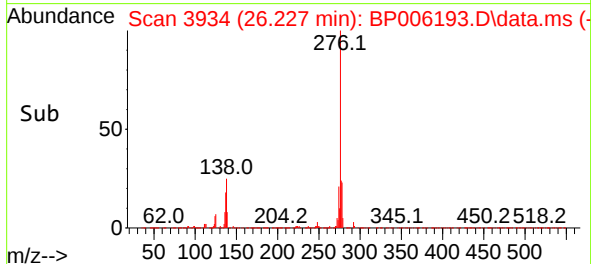
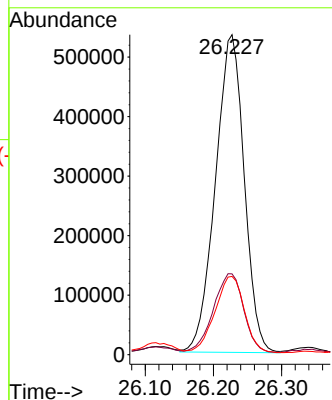
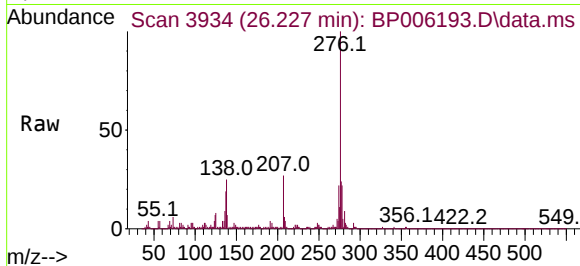




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 20.63 ng
 RT: 26.227 min Scan# 3934
 Delta R.T. -0.005 min
 Lab File: BP006193.D
 Acq: 12 Jul 2021 21:55

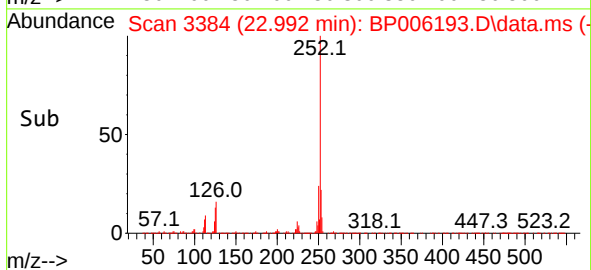
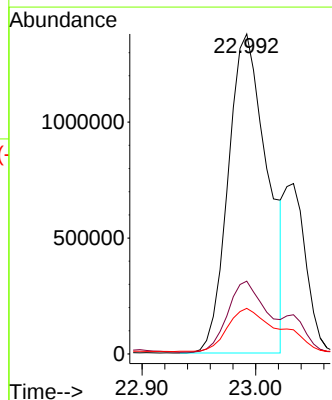
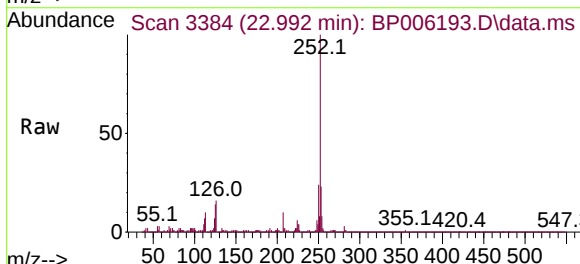
Instrument :
 BNA_P
 ClientSampleId :
 CHRT-25720

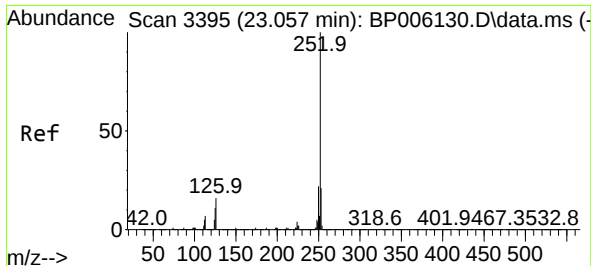
Tgt Ion:276 Resp: 1568175
 Ion Ratio Lower Upper
 276 100
 138 25.9 15.3 22.9#
 277 24.6 20.4 30.6



#88
 Benzo(b)fluoranthene
 Concen: 52.80 ng
 RT: 22.992 min Scan# 3384
 Delta R.T. 0.006 min
 Lab File: BP006193.D
 Acq: 12 Jul 2021 21:55

Tgt Ion:252 Resp: 3303003
 Ion Ratio Lower Upper
 252 100
 253 22.8 17.5 26.3
 125 14.3 6.2 9.4#

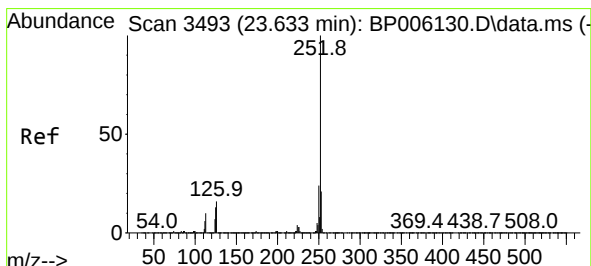
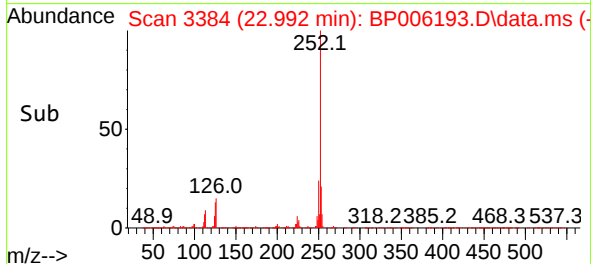
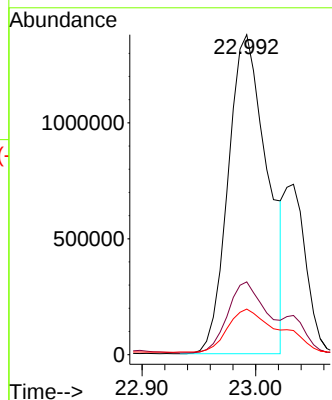
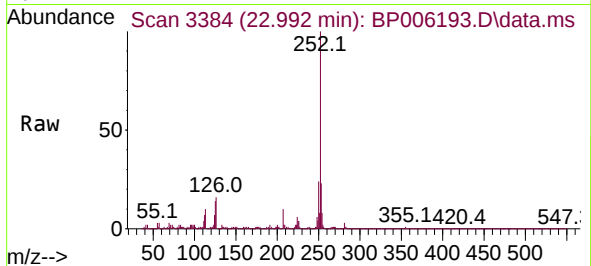




#89
Benzo(k)fluoranthene
Concen: 54.02 ng
RT: 22.992 min Scan# 3384
Delta R.T. -0.041 min
Lab File: BP006193.D
Acq: 12 Jul 2021 21:55

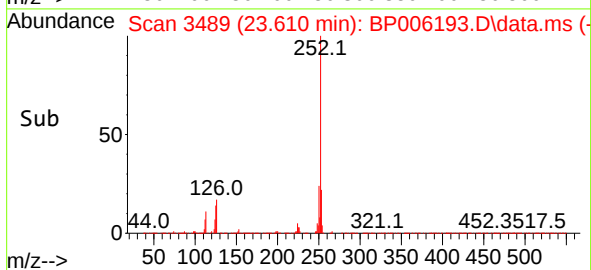
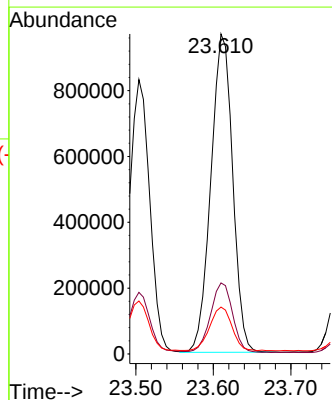
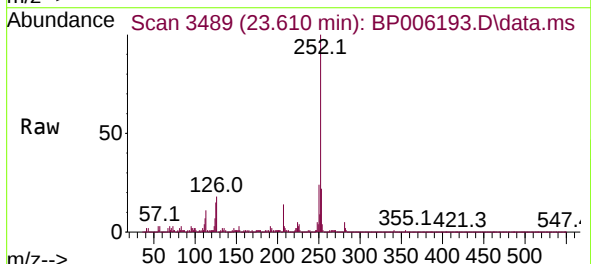
Instrument :
BNA_P
ClientSampleId :
CHRT-25720

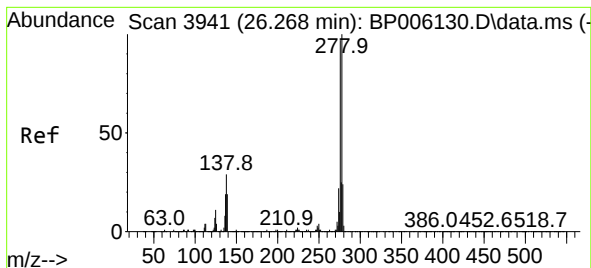
Tgt Ion:252 Resp: 3303003
Ion Ratio Lower Upper
252 100
253 22.8 17.6 26.4
125 14.3 6.0 9.0#



#90
Benzo(a)pyrene
Concen: 32.19 ng
RT: 23.610 min Scan# 3489
Delta R.T. 0.000 min
Lab File: BP006193.D
Acq: 12 Jul 2021 21:55

Tgt Ion:252 Resp: 1889535
Ion Ratio Lower Upper
252 100
253 22.2 17.9 26.9
125 14.6 6.5 9.7#

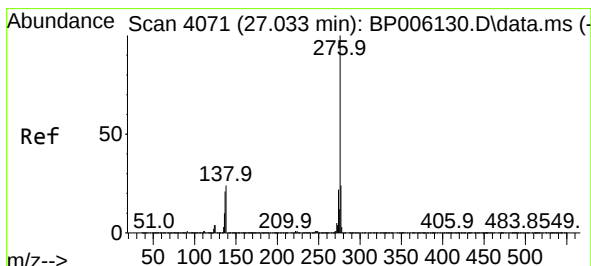
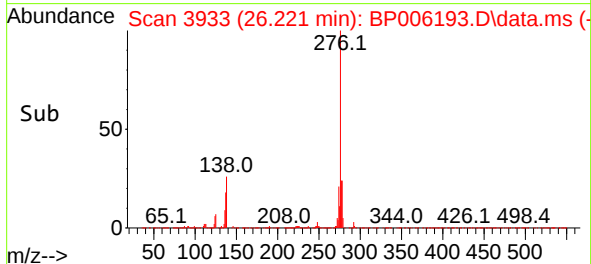
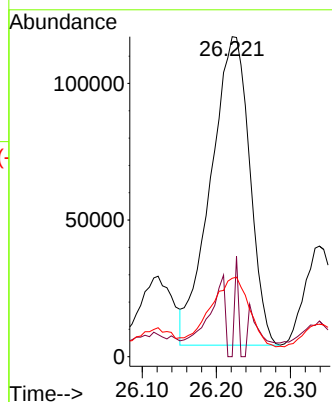
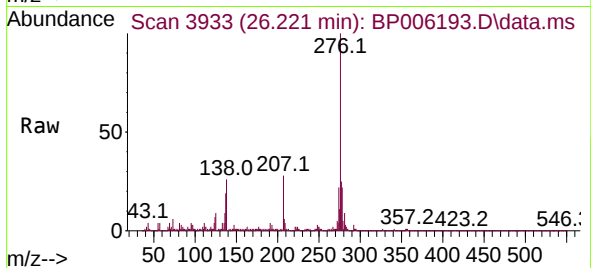




#91
Dibenzo(a,h)anthracene
Concen: 6.29 ng
RT: 26.221 min Scan# 3933
Delta R.T. -0.017 min
Lab File: BP006193.D
Acq: 12 Jul 2021 21:55

Instrument :
BNA_P
ClientSampleId :
CHRT-25720

Tgt Ion:278 Resp: 411622
Ion Ratio Lower Upper
278 100
139 0.0 9.3 13.9#
279 24.5 18.8 28.2



#92
Benzo(g,h,i)perylene
Concen: 23.44 ng
RT: 26.998 min Scan# 4065
Delta R.T. -0.005 min
Lab File: BP006193.D
Acq: 12 Jul 2021 21:55

Tgt Ion:276 Resp: 1510108
Ion Ratio Lower Upper
276 100
277 24.2 18.9 28.3
138 27.6 12.6 18.8#

