

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110421\
 Data File : BP007850.D
 Acq On : 04 Nov 2021 16:21
 Operator : CG/JU
 Sample : M4436-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 S15-SP

Quant Time: Nov 07 11:14:54 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP110221.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 02 19:18:55 2021
 Response via : Initial Calibration

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

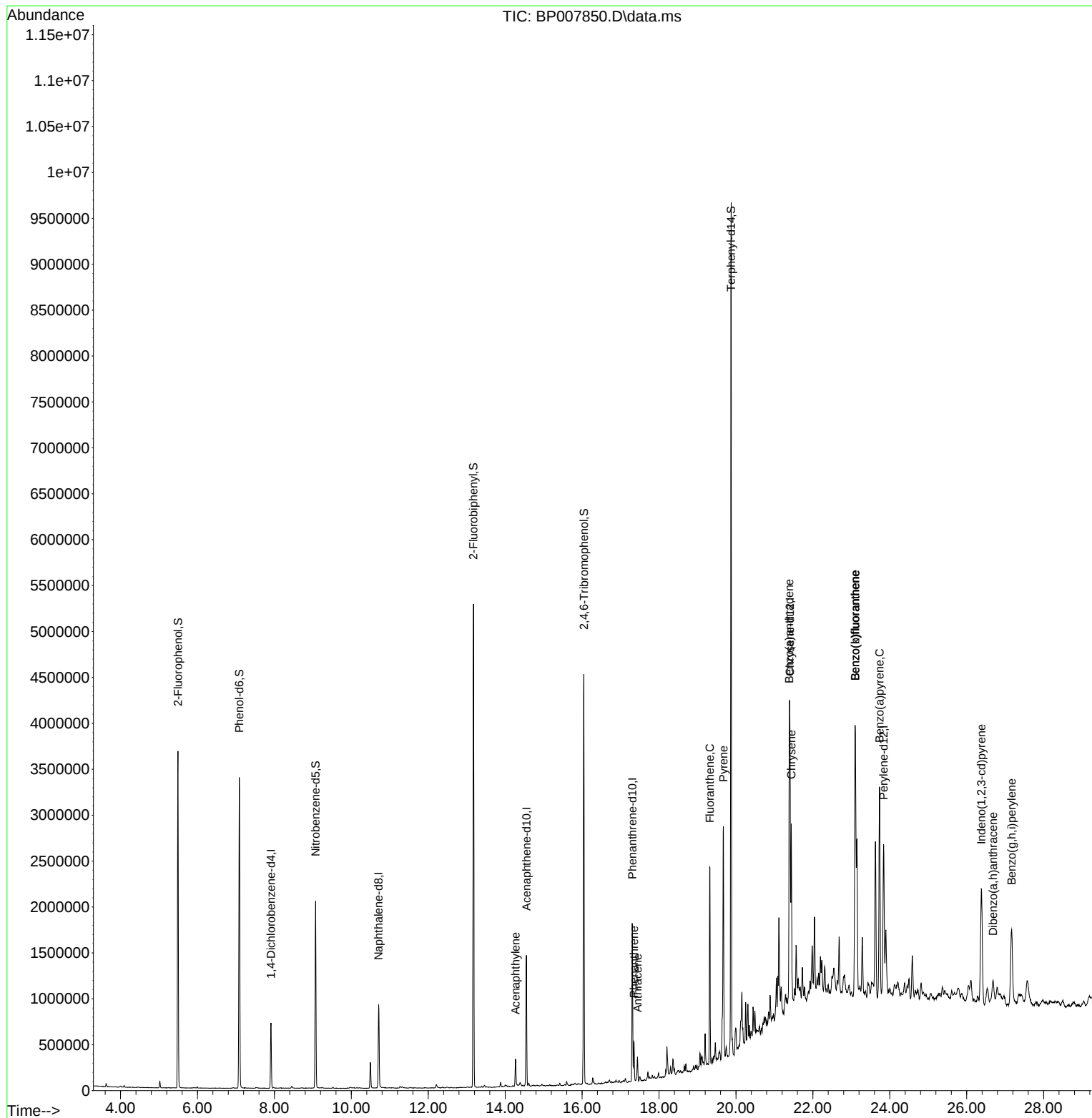
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.910	152	195776	20.000	ng	-0.01
21) Naphthalene-d8	10.710	136	751846	20.000	ng	-0.02
39) Acenaphthene-d10	14.551	164	490404	20.000	ng	-0.01
64) Phenanthrene-d10	17.304	188	1041957	20.000	ng	-0.02
76) Chrysene-d12	21.404	240	1143552	20.000	ng	-0.01
86) Perylene-d12	23.839	264	1297433	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	1597182	138.358	ng	0.00
7) Phenol-d6	7.087	99	1975085	118.208	ng	0.00
23) Nitrobenzene-d5	9.069	82	1157068	82.669	ng	-0.02
42) 2,4,6-Tribromophenol	16.045	330	881678	125.976	ng	-0.01
45) 2-Fluorobiphenyl	13.175	172	2705043	80.327	ng	-0.02
79) Terphenyl-d14	19.874	244	4279850	76.210	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.387	88	178	Below Cal	#	1
49) Acenaphthylene	14.269	152	227494	5.265	ng	98
71) Phenanthrene	17.351	178	270919	4.946	ng	99
72) Anthracene	17.439	178	150948	2.800	ng	98
75) Fluoranthene	19.322	202	1311801	18.985	ng	98
78) Pyrene	19.674	202	1596745	22.766	ng	99
81) Benzo(a)anthracene	21.386	228	1320912	17.533	ng	94
83) Chrysene	21.439	228	1251378	17.546	ng	98
87) Indeno(1,2,3-cd)pyrene	26.380	276	1258390	13.012	ng	# 94
88) Benzo(b)fluoranthene	23.098	252	2535335	33.150	ng	98
89) Benzo(k)fluoranthene	23.098	252	2535335	33.401	ng	99
90) Benzo(a)pyrene	23.733	252	1794288	27.095	ng	98
91) Dibenzo(a,h)anthracene	26.686	278	172390	2.151	ng	93
92) Benzo(g,h,i)perylene	27.168	276	1197486	15.059	ng	98

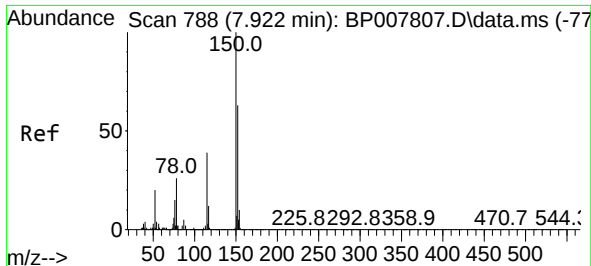
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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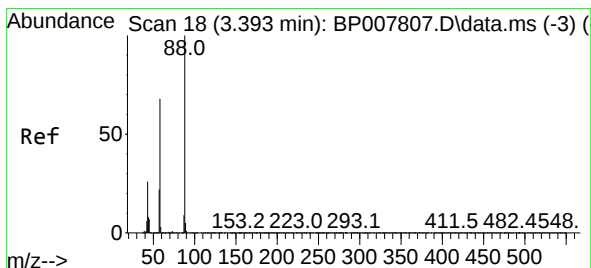
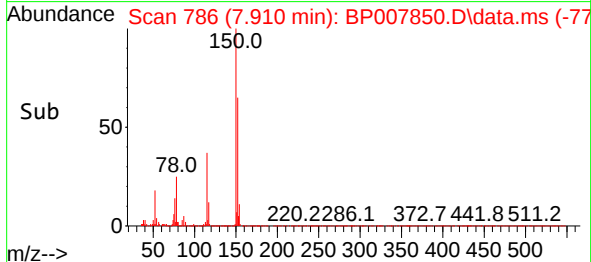
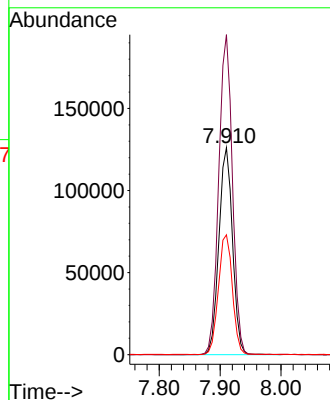
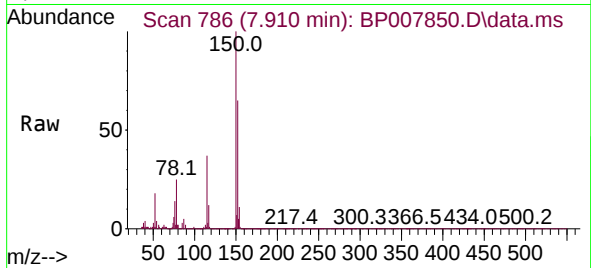




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.910 min Scan# 71
Delta R.T. -0.012 min
Lab File: BP007850.D
Acq: 04 Nov 2021 16:21

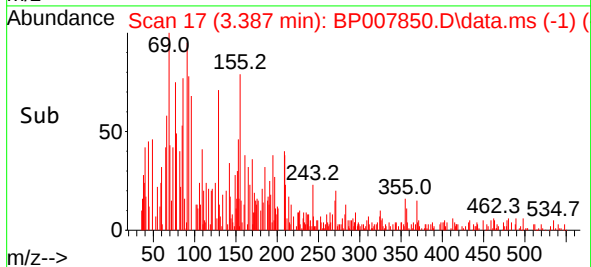
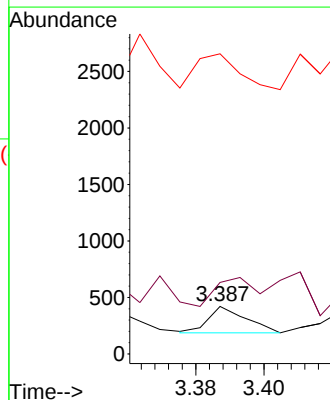
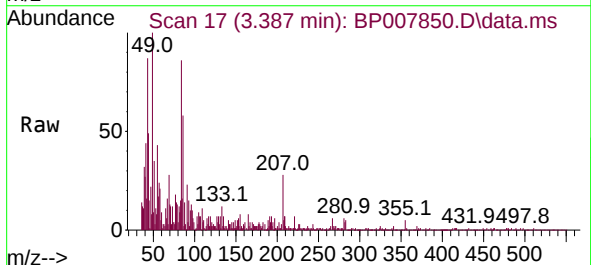
Instrument :
BNA_P
ClientSampleId :
S15-SP

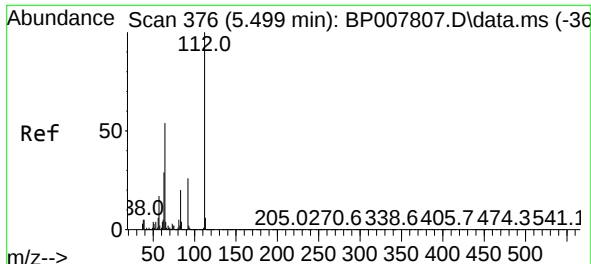
Tgt Ion:152 Resp: 195776
Ion Ratio Lower Upper
152 100
150 154.5 124.1 186.1
115 57.8 48.1 72.1



#2
1,4-Dioxane
Concen: Below Cal
RT: 3.387 min Scan# 17
Delta R.T. -0.006 min
Lab File: BP007850.D
Acq: 04 Nov 2021 16:21

Tgt Ion: 88 Resp: 178
Ion Ratio Lower Upper
88 100
58 115.2 58.1 87.1#
43 155.6 22.2 33.4#

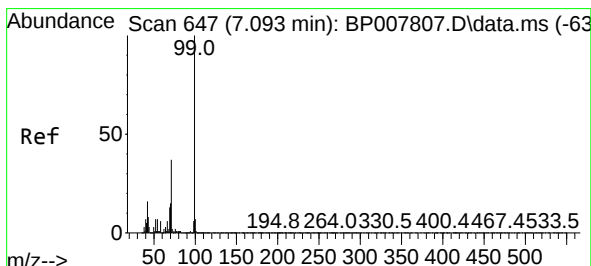
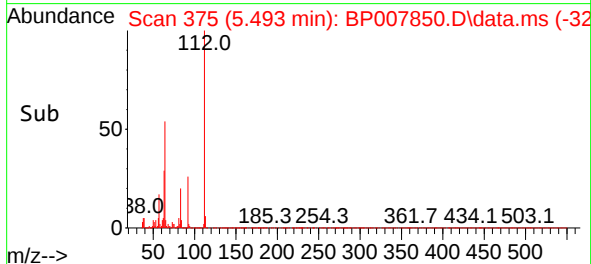
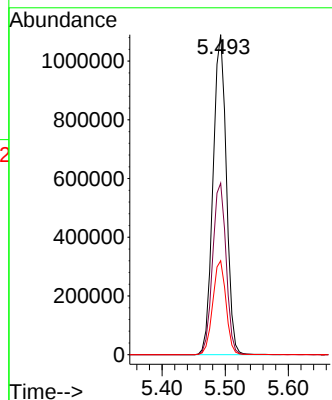
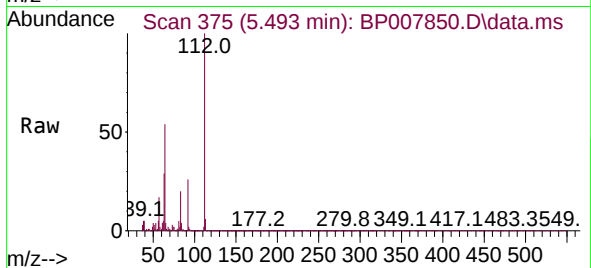




#5
2-Fluorophenol
Concen: 138.358 ng
RT: 5.493 min Scan# 31
Delta R.T. -0.006 min
Lab File: BP007850.D
Acq: 04 Nov 2021 16:21

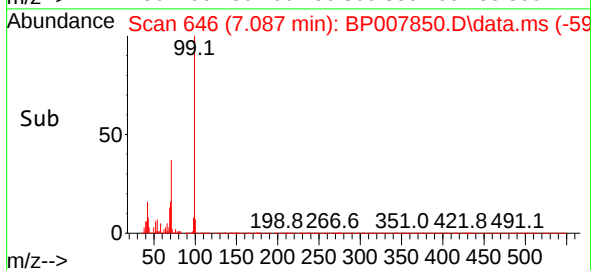
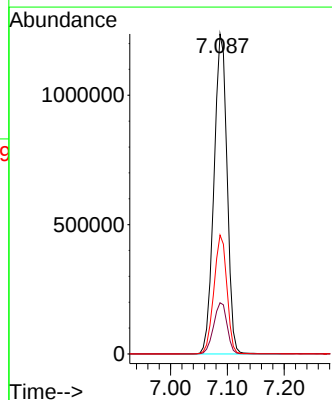
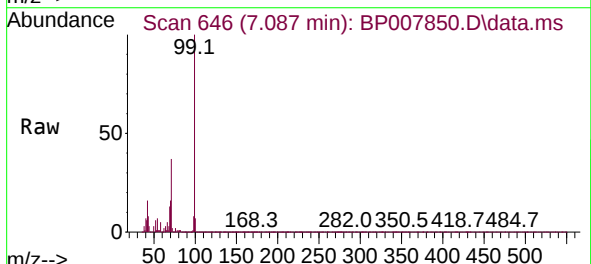
Instrument :
BNA_P
ClientSampleId :
S15-SP

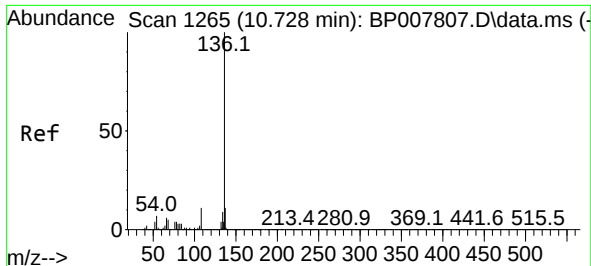
Tgt Ion:112 Resp: 1597182
Ion Ratio Lower Upper
112 100
64 53.6 46.6 70.0
63 29.4 25.0 37.6



#7
Phenol-d6
Concen: 118.208 ng
RT: 7.087 min Scan# 646
Delta R.T. -0.006 min
Lab File: BP007850.D
Acq: 04 Nov 2021 16:21

Tgt Ion: 99 Resp: 1975085
Ion Ratio Lower Upper
99 100
42 16.0 14.9 22.3
71 37.2 29.2 43.8

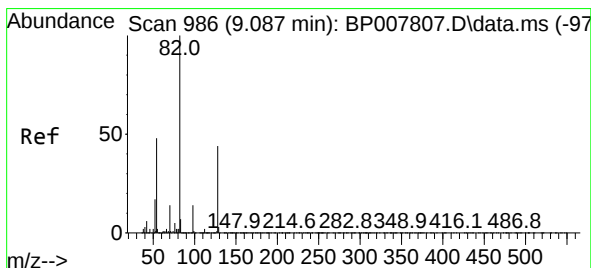
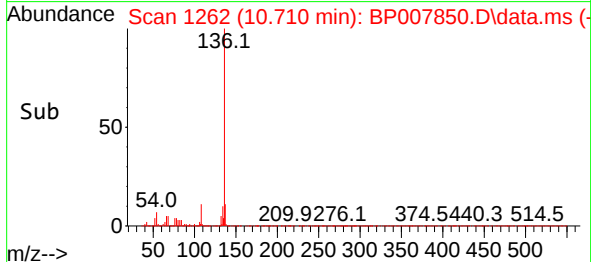
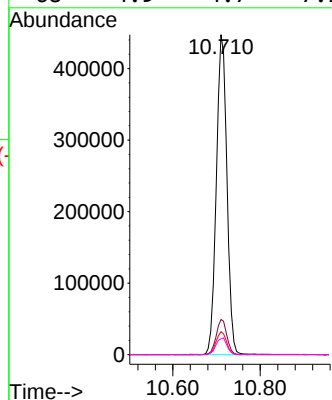
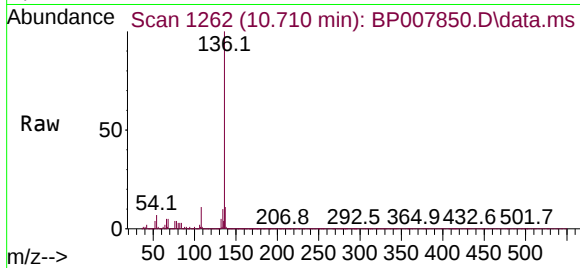




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.710 min Scan# 11
Delta R.T. -0.018 min
Lab File: BP007850.D
Acq: 04 Nov 2021 16:21

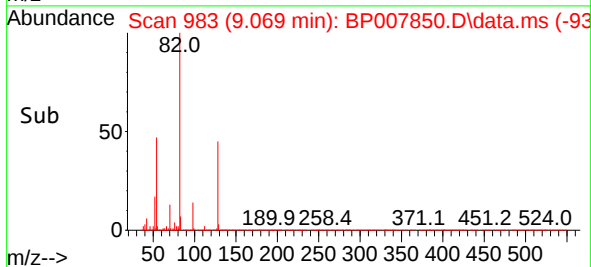
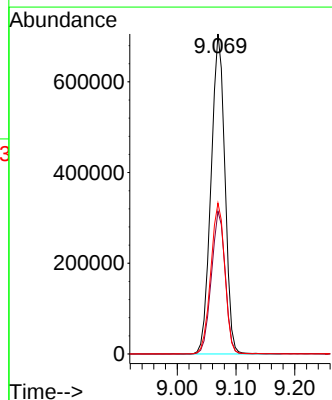
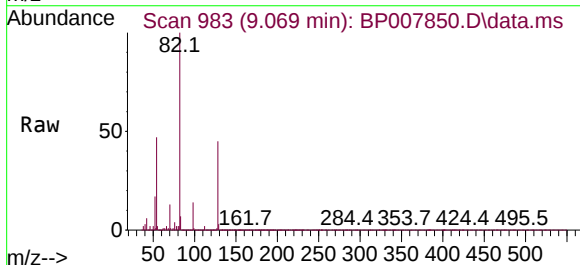
Instrument :
BNA_P
ClientSampleId :
S15-SP

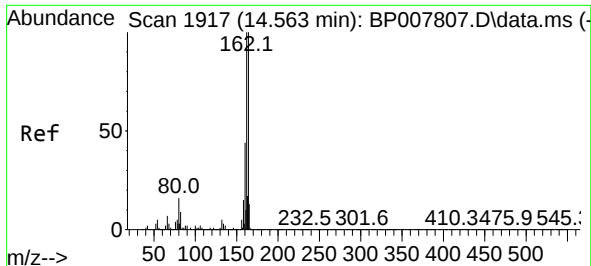
Tgt Ion:136 Resp: 751846
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 7.2 6.2 9.4
68 4.9 4.7 7.1



#23
Nitrobenzene-d5
Concen: 82.669 ng
RT: 9.069 min Scan# 983
Delta R.T. -0.018 min
Lab File: BP007850.D
Acq: 04 Nov 2021 16:21

Tgt Ion: 82 Resp: 1157068
Ion Ratio Lower Upper
82 100
128 44.6 32.6 48.8
54 47.1 40.4 60.6

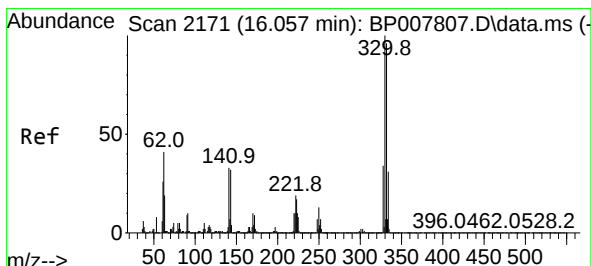
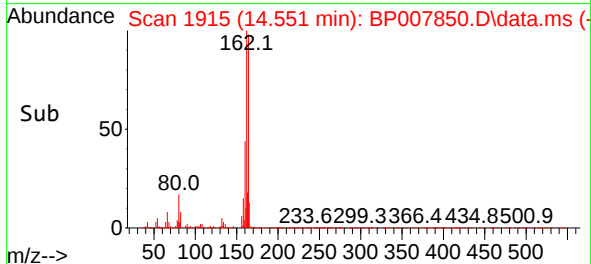
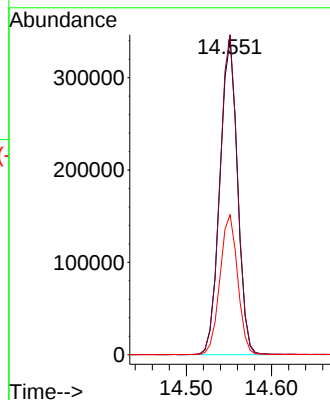
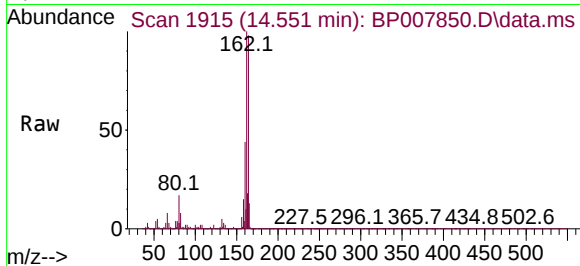




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.551 min Scan# 1915
Delta R.T. -0.012 min
Lab File: BP007850.D
Acq: 04 Nov 2021 16:21

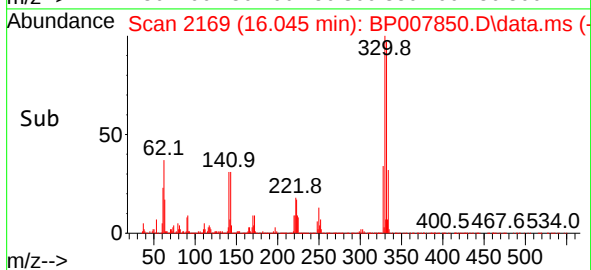
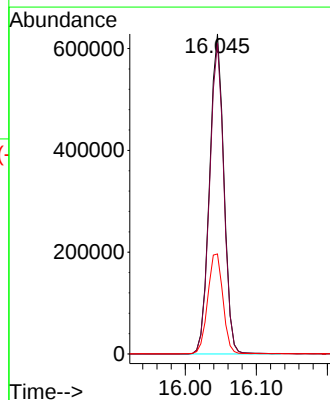
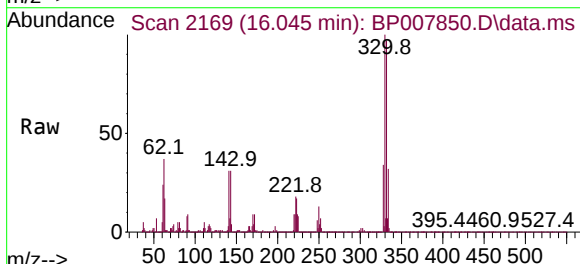
Instrument :
BNA_P
ClientSampleId :
S15-SP

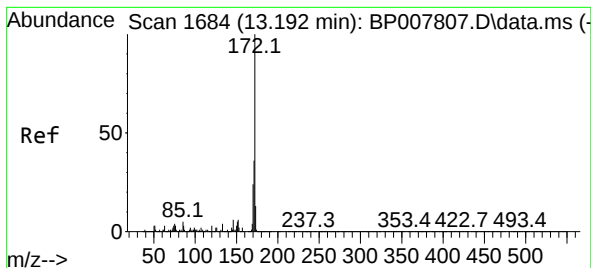
Tgt Ion:164 Resp: 490404
Ion Ratio Lower Upper
164 100
162 101.6 81.1 121.7
160 44.4 36.0 54.0



#42
2,4,6-Tribromophenol
Concen: 125.976 ng
RT: 16.045 min Scan# 2169
Delta R.T. -0.012 min
Lab File: BP007850.D
Acq: 04 Nov 2021 16:21

Tgt Ion:330 Resp: 881678
Ion Ratio Lower Upper
330 100
332 96.9 78.9 118.3
141 33.2 30.7 46.1





#45

2-Fluorobiphenyl

Concen: 80.327 ng

RT: 13.175 min Scan# 1

Delta R.T. -0.018 min

Lab File: BP007850.D

Acq: 04 Nov 2021 16:21

Instrument :

BNA_P

ClientSampleId :

S15-SP

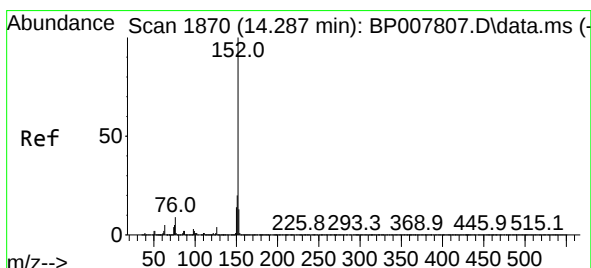
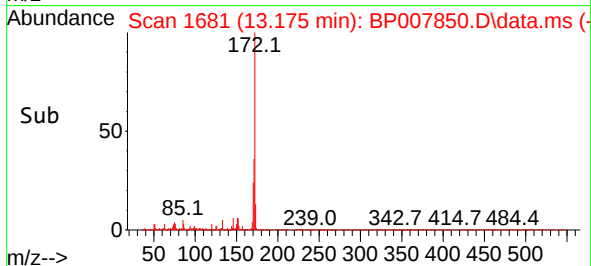
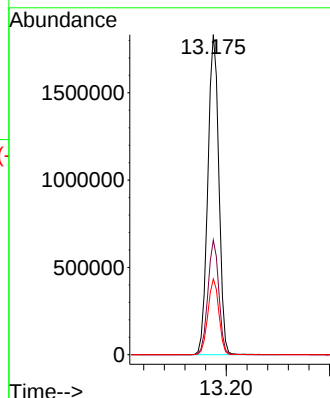
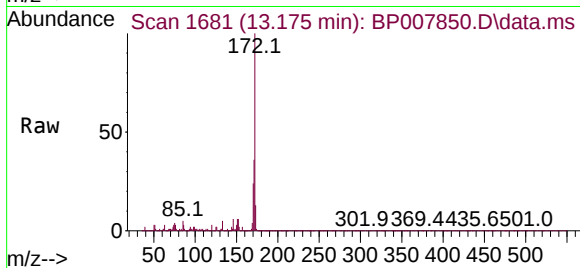
Tgt Ion:172 Resp: 2705043

Ion Ratio Lower Upper

172 100

171 35.8 28.2 42.2

170 23.7 19.0 28.4



#49

Acenaphthylene

Concen: 5.265 ng

RT: 14.269 min Scan# 1867

Delta R.T. -0.018 min

Lab File: BP007850.D

Acq: 04 Nov 2021 16:21

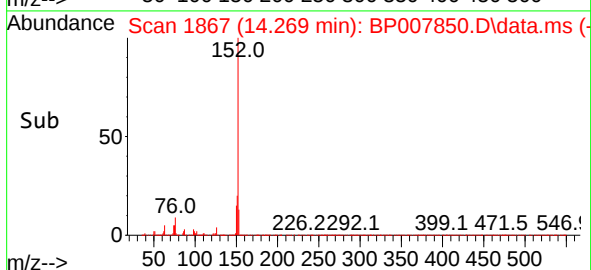
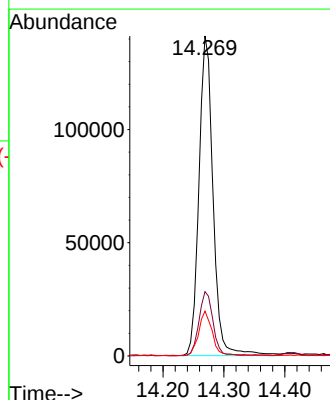
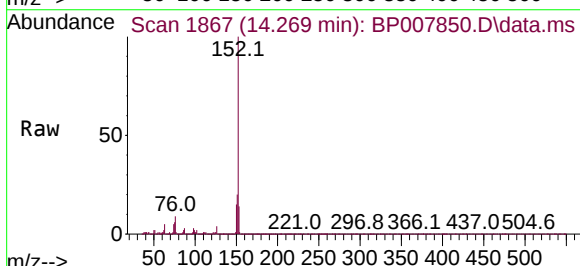
Tgt Ion:152 Resp: 227494

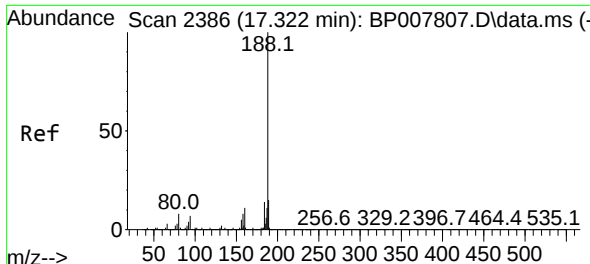
Ion Ratio Lower Upper

152 100

151 20.1 15.8 23.6

153 14.0 10.2 15.2

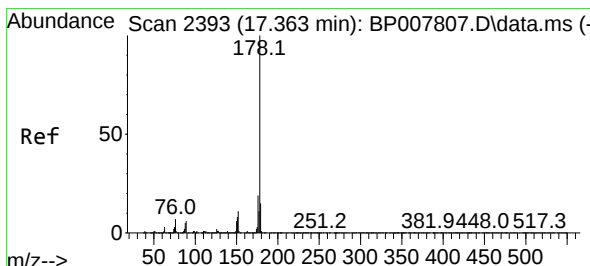
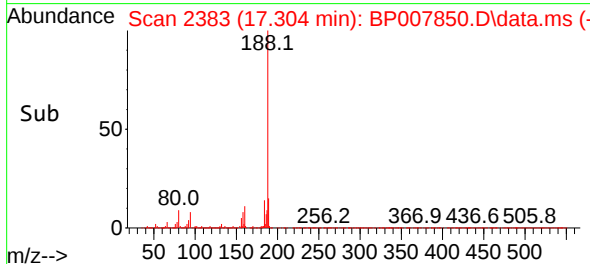
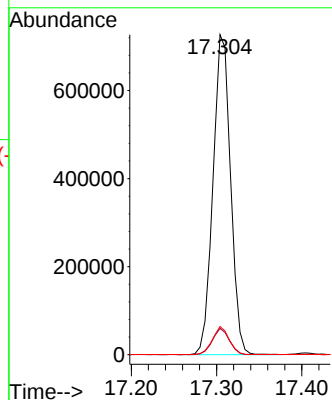
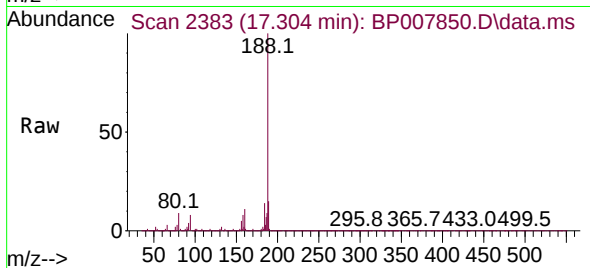




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.304 min Scan# 21
Delta R.T. -0.018 min
Lab File: BP007850.D
Acq: 04 Nov 2021 16:21

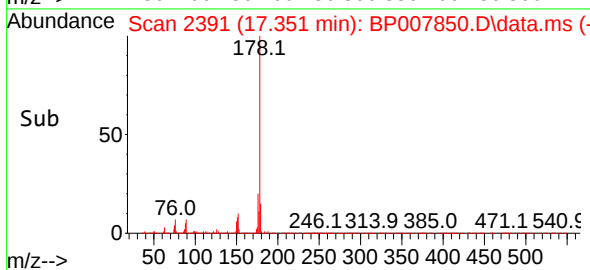
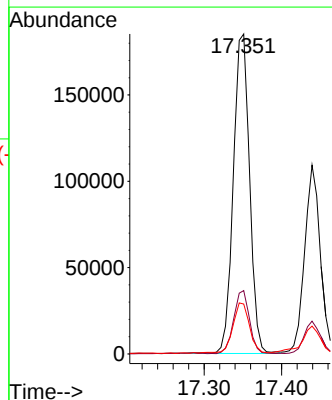
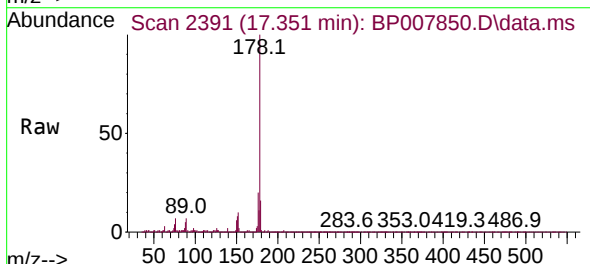
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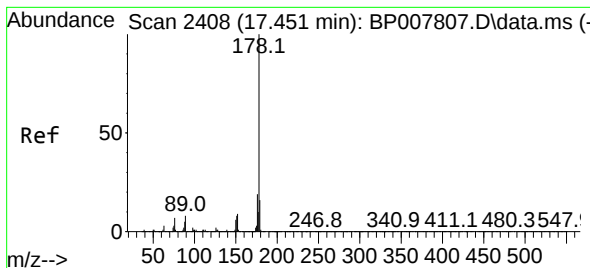
Tgt Ion:188 Resp: 1041957
Ion Ratio Lower Upper
188 100
94 8.2 7.1 10.7
80 8.8 7.8 11.6



#71
Phenanthrene
Concen: 4.946 ng
RT: 17.351 min Scan# 2391
Delta R.T. -0.012 min
Lab File: BP007850.D
Acq: 04 Nov 2021 16:21

Tgt Ion:178 Resp: 270919
Ion Ratio Lower Upper
178 100
176 19.8 15.4 23.0
179 15.6 12.3 18.5





#72

Anthracene

Concen: 2.800 ng

RT: 17.439 min Scan# 2406

Delta R.T. -0.012 min

Lab File: BP007850.D

Acq: 04 Nov 2021 16:21

Instrument :

BNA_P

ClientSampleId :

S15-SP

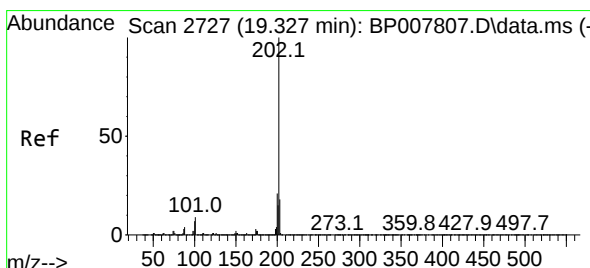
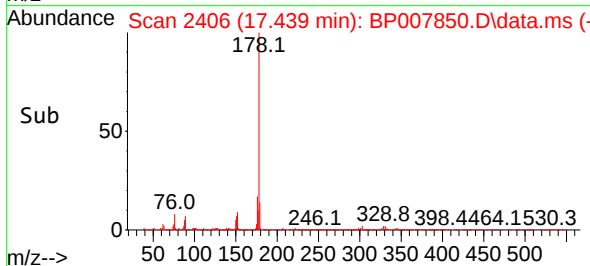
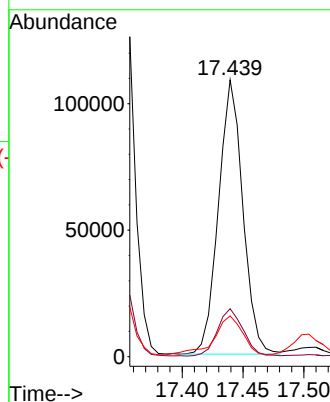
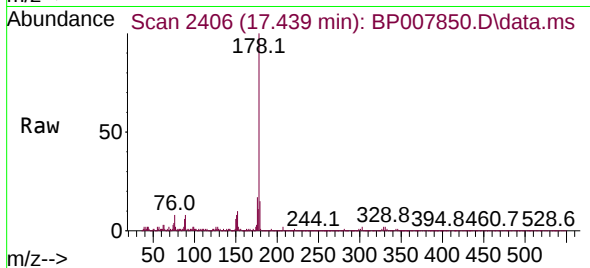
Tgt Ion:178 Resp: 150948

Ion Ratio Lower Upper

178 100

176 17.3 15.0 22.6

179 14.7 12.2 18.4



#75

Fluoranthene

Concen: 18.985 ng

RT: 19.322 min Scan# 2726

Delta R.T. -0.006 min

Lab File: BP007850.D

Acq: 04 Nov 2021 16:21

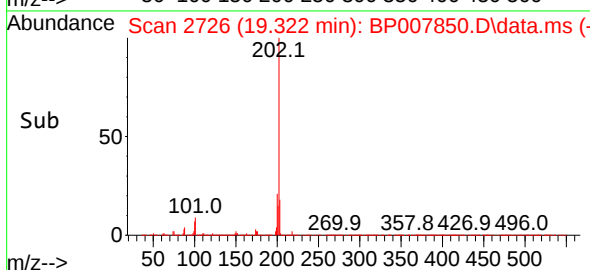
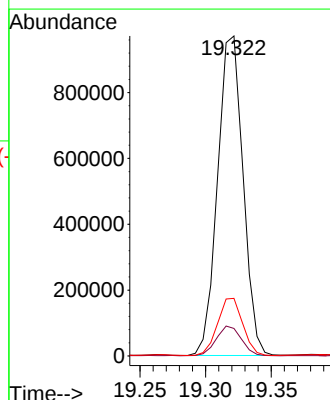
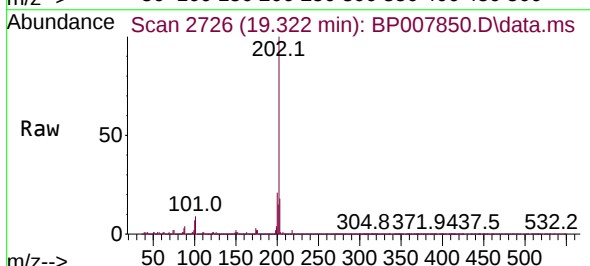
Tgt Ion:202 Resp: 1311801

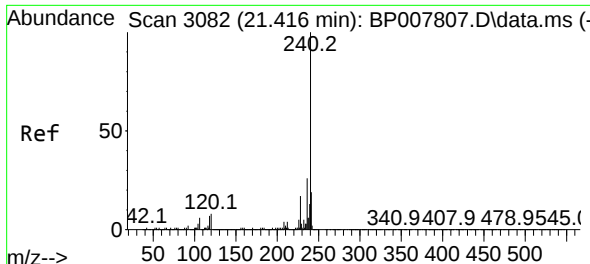
Ion Ratio Lower Upper

202 100

101 8.6 0.0 30.4

203 18.0 0.0 37.6

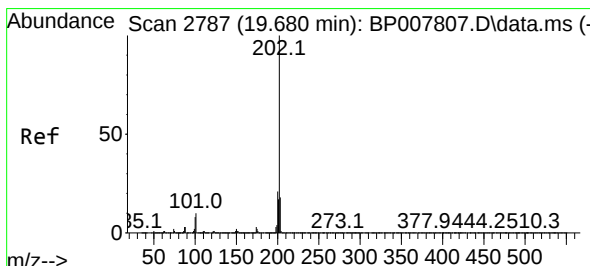
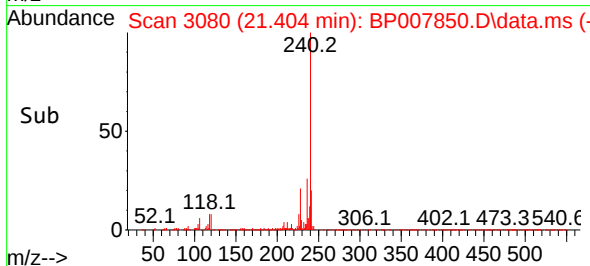
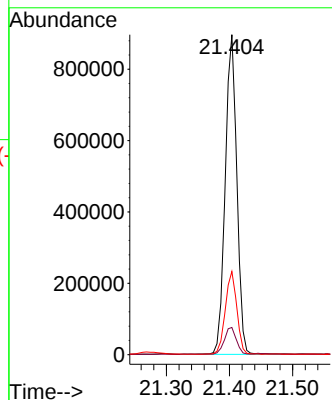
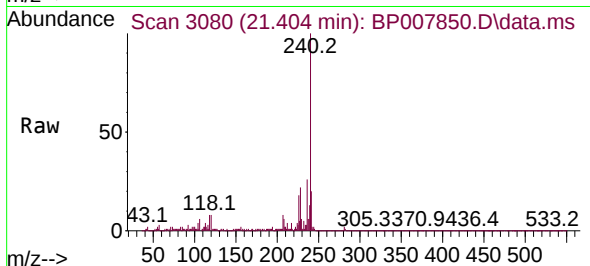




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.404 min Scan# 3082
Delta R.T. -0.012 min
Lab File: BP007850.D
Acq: 04 Nov 2021 16:21

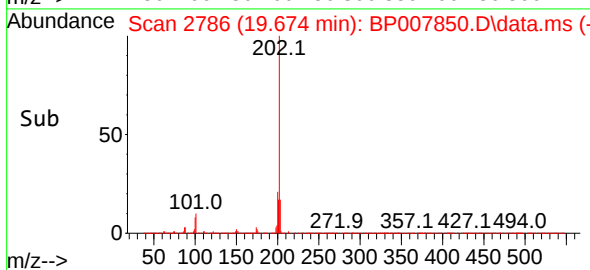
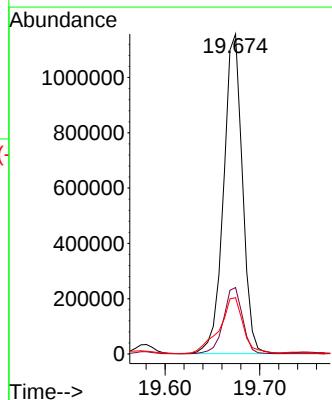
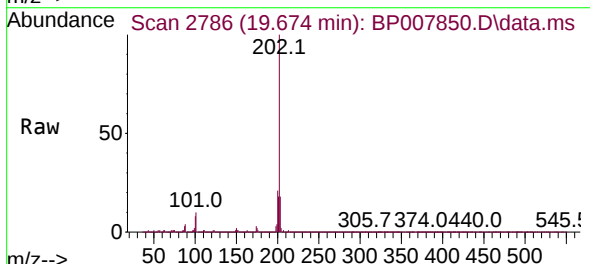
Instrument :
BNA_P
ClientSampleId :
S15-SP

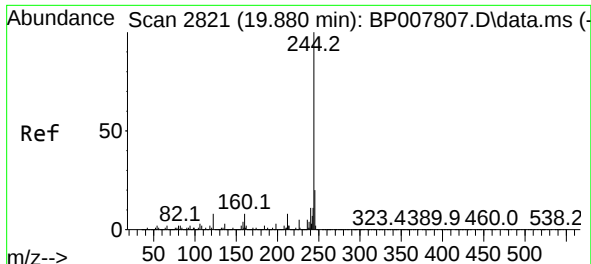
Tgt Ion:240 Resp: 1143552
Ion Ratio Lower Upper
240 100
120 8.5 7.8 11.8
236 26.0 20.6 30.8



#78
Pyrene
Concen: 22.766 ng
RT: 19.674 min Scan# 2786
Delta R.T. -0.006 min
Lab File: BP007850.D
Acq: 04 Nov 2021 16:21

Tgt Ion:202 Resp: 1596745
Ion Ratio Lower Upper
202 100
200 20.7 16.9 25.3
203 17.6 13.8 20.6

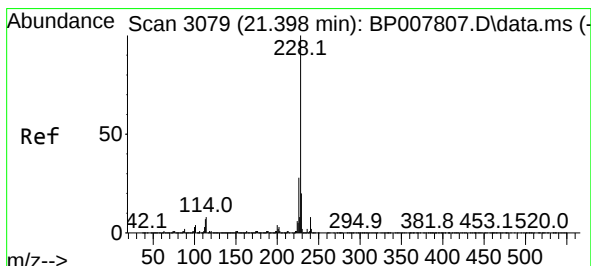
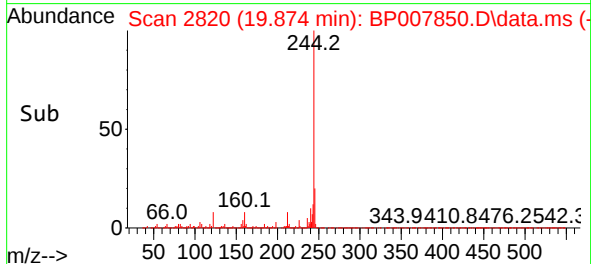
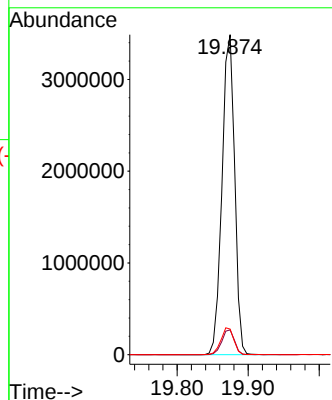
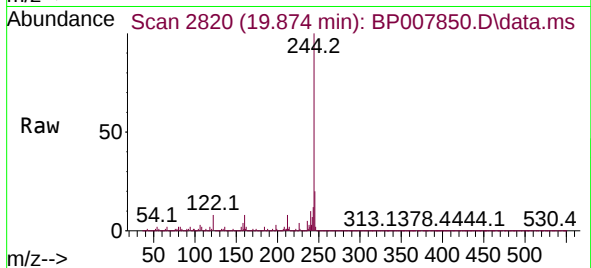




#79
 Terphenyl-d14
 Concen: 76.210 ng
 RT: 19.874 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BP007850.D
 Acq: 04 Nov 2021 16:21

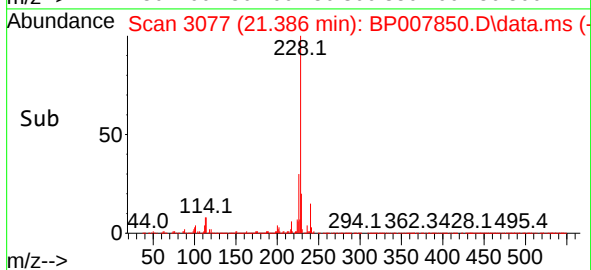
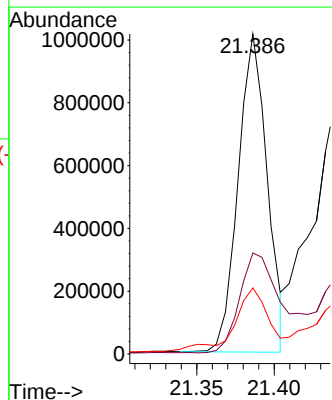
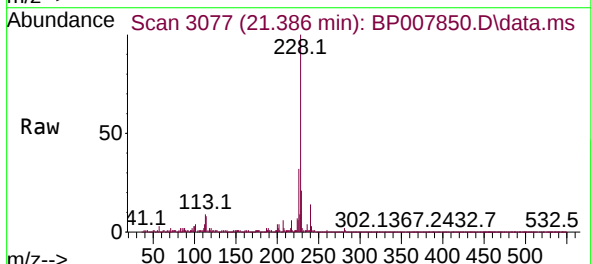
Instrument :
 BNA_P
 ClientSampleId :
 S15-SP

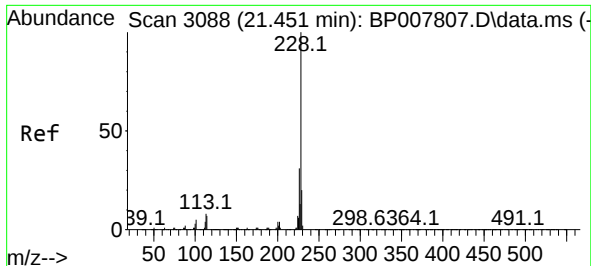
Tgt Ion:244 Resp: 4279850
 Ion Ratio Lower Upper
 244 100
 212 7.7 6.2 9.2
 122 8.0 7.8 11.8



#81
 Benzo(a)anthracene
 Concen: 17.533 ng
 RT: 21.386 min Scan# 3077
 Delta R.T. -0.012 min
 Lab File: BP007850.D
 Acq: 04 Nov 2021 16:21

Tgt Ion:228 Resp: 1320912
 Ion Ratio Lower Upper
 228 100
 226 31.6 21.8 32.6
 229 20.7 15.7 23.5

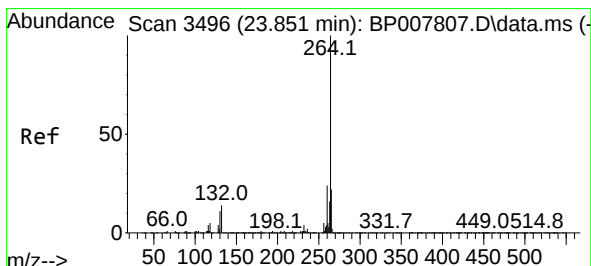
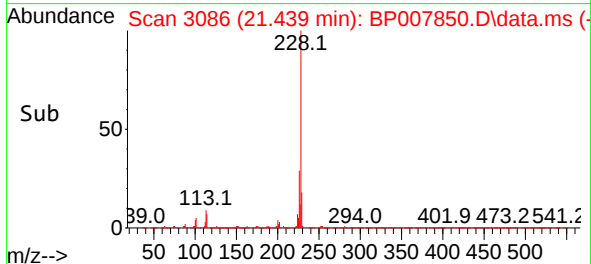
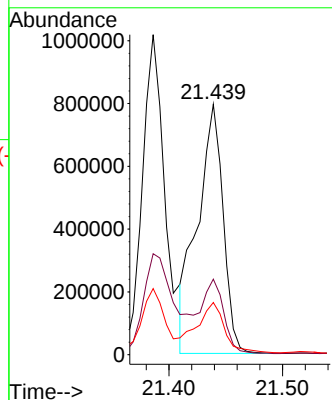
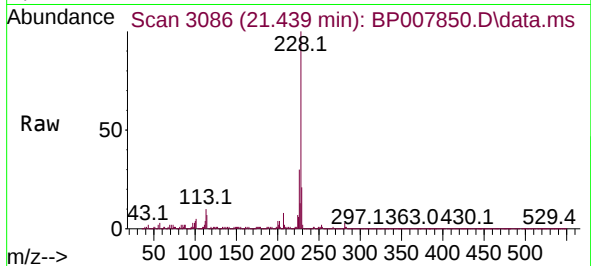




#83
Chrysene
Concen: 17.546 ng
RT: 21.439 min Scan# 3088
Delta R.T. -0.012 min
Lab File: BP007850.D
Acq: 04 Nov 2021 16:21

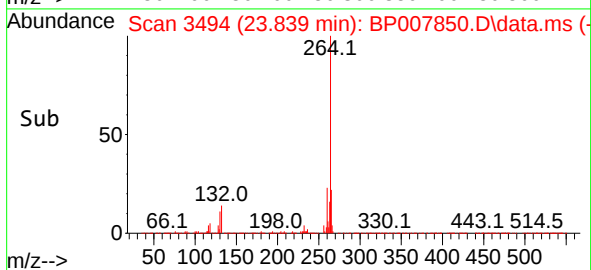
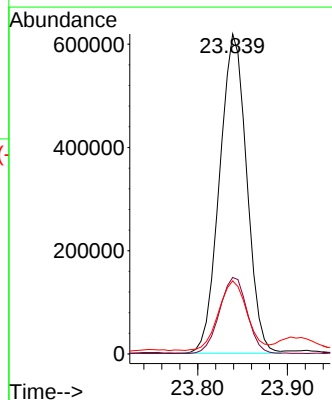
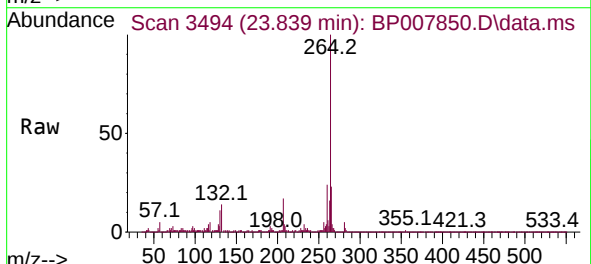
Instrument :
BNA_P
ClientSampleId :
S15-SP

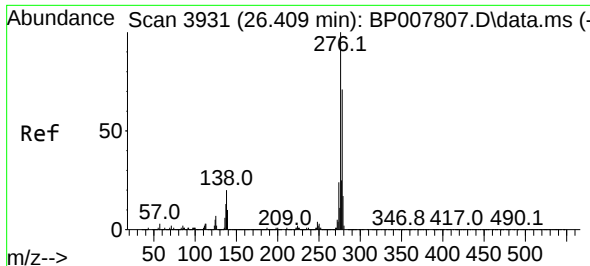
Tgt Ion:228 Resp: 1251378
Ion Ratio Lower Upper
228 100
226 30.2 24.6 37.0
229 20.8 15.7 23.5



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.839 min Scan# 3494
Delta R.T. -0.012 min
Lab File: BP007850.D
Acq: 04 Nov 2021 16:21

Tgt Ion:264 Resp: 1297433
Ion Ratio Lower Upper
264 100
260 23.9 19.1 28.7
265 22.9 16.7 25.1

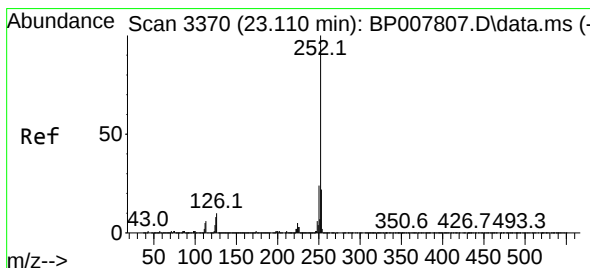
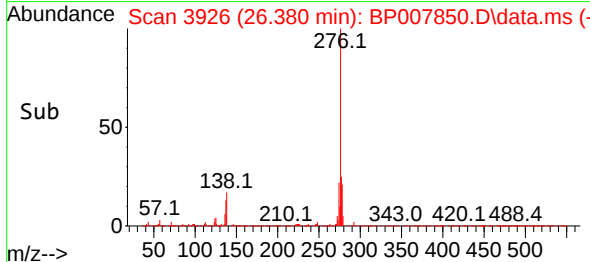
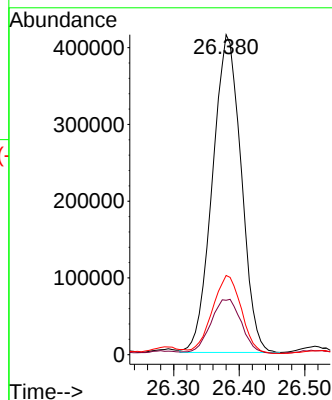
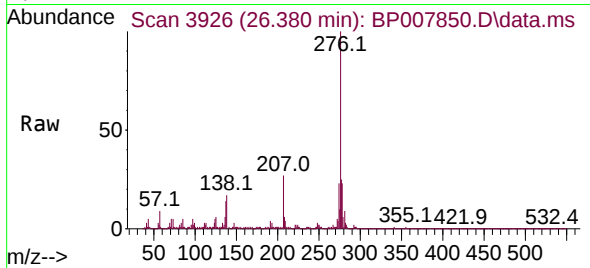




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 13.012 ng
 RT: 26.380 min Scan# 3926
 Delta R.T. -0.029 min
 Lab File: BP007850.D
 Acq: 04 Nov 2021 16:21

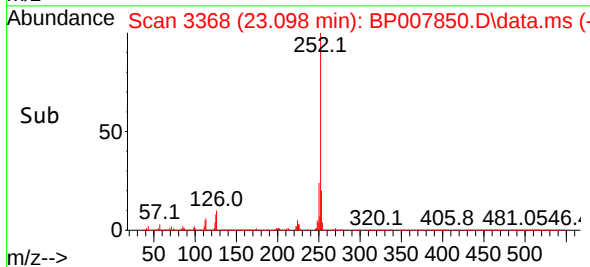
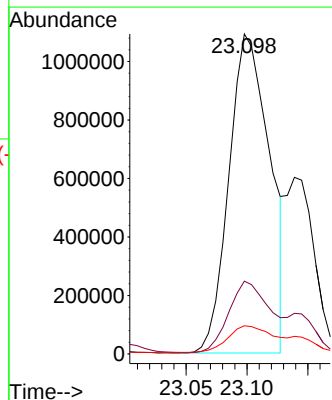
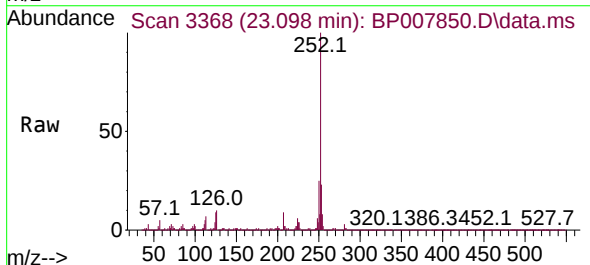
Instrument :
 BNA_P
 ClientSampleId :
 S15-SP

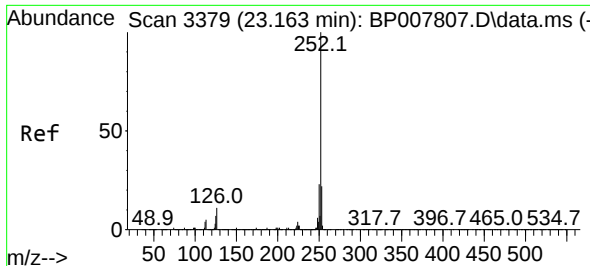
Tgt Ion:276 Resp: 1258390
 Ion Ratio Lower Upper
 276 100
 138 18.2 19.4 29.0#
 277 24.8 20.2 30.2



#88
 Benzo(b)fluoranthene
 Concen: 33.150 ng
 RT: 23.098 min Scan# 3368
 Delta R.T. -0.012 min
 Lab File: BP007850.D
 Acq: 04 Nov 2021 16:21

Tgt Ion:252 Resp: 2535335
 Ion Ratio Lower Upper
 252 100
 253 22.8 17.4 26.2
 125 8.8 7.4 11.0

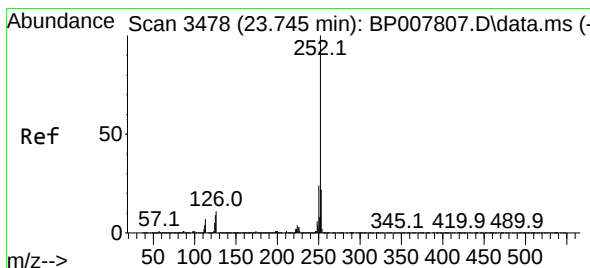
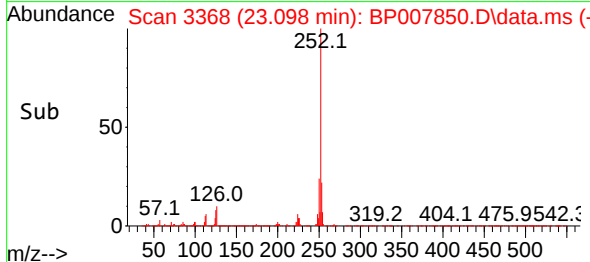
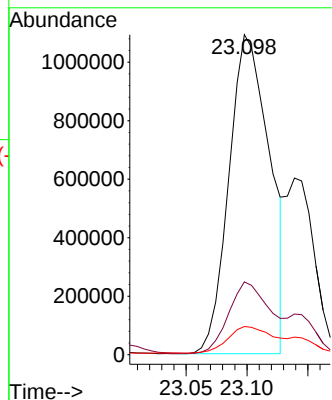
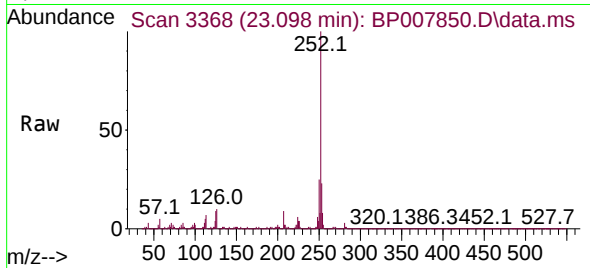




#89
Benzo(k)fluoranthene
Concen: 33.401 ng
RT: 23.098 min Scan# 31
Delta R.T. -0.065 min
Lab File: BP007850.D
Acq: 04 Nov 2021 16:21

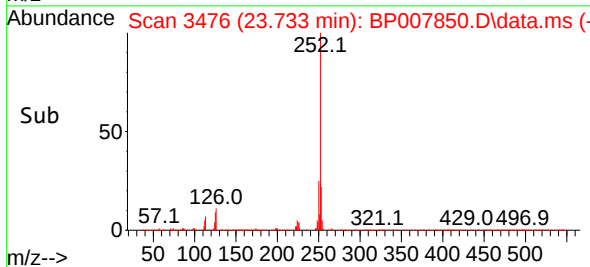
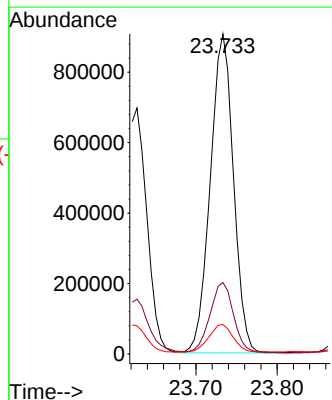
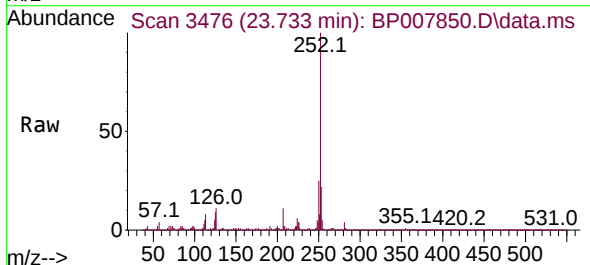
Instrument :
BNA_P
ClientSampleId :
S15-SP

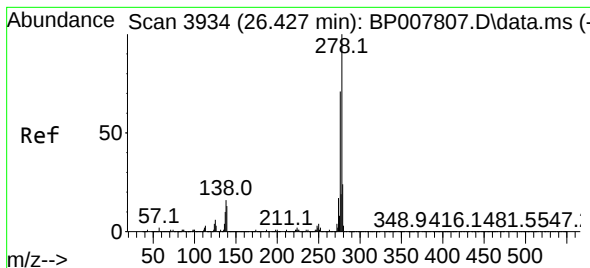
Tgt Ion:252 Resp: 2535335
Ion Ratio Lower Upper
252 100
253 22.8 17.6 26.4
125 8.8 7.4 11.0



#90
Benzo(a)pyrene
Concen: 27.095 ng
RT: 23.733 min Scan# 3476
Delta R.T. -0.012 min
Lab File: BP007850.D
Acq: 04 Nov 2021 16:21

Tgt Ion:252 Resp: 1794288
Ion Ratio Lower Upper
252 100
253 22.3 17.6 26.4
125 9.2 8.4 12.6





#91

Dibenzo(a,h)anthracene

Concen: 2.151 ng

RT: 26.686 min Scan# 3934

Delta R.T. 0.259 min

Lab File: BP007850.D

Acq: 04 Nov 2021 16:21

Instrument :

BNA_P

ClientSampleId :

S15-SP

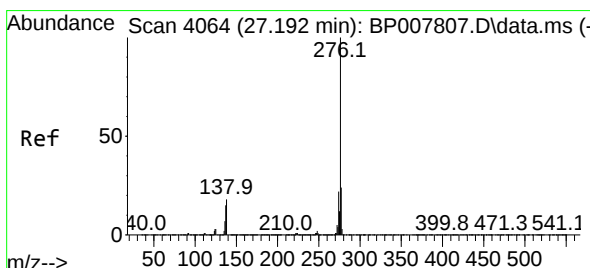
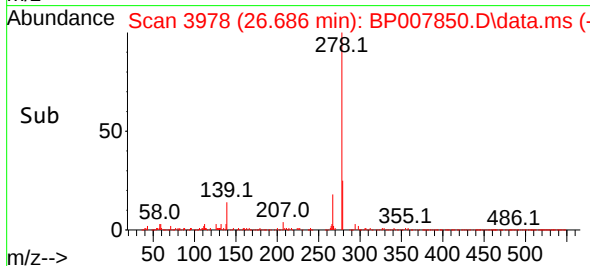
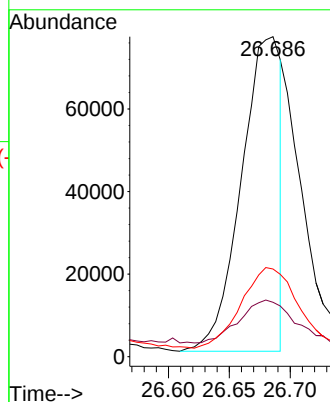
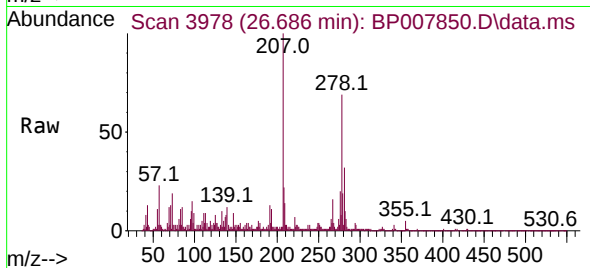
Tgt Ion:278 Resp: 172390

Ion Ratio Lower Upper

278 100

139 17.0 11.8 17.6

279 27.4 18.6 27.8



#92

Benzo(g,h,i)perylene

Concen: 15.059 ng

RT: 27.168 min Scan# 4060

Delta R.T. -0.024 min

Lab File: BP007850.D

Acq: 04 Nov 2021 16:21

Tgt Ion:276 Resp: 1197486

Ion Ratio Lower Upper

276 100

277 24.1 19.4 29.0

138 18.3 16.2 24.4

