

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110821\
 Data File : BP007880.D
 Acq On : 09 Nov 2021 02:02
 Operator : CG/JU
 Sample : M4569-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 CL-02-110521

Quant Time: Nov 09 08:49:02 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP110221.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 08 16:36:40 2021
 Response via : Initial Calibration

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

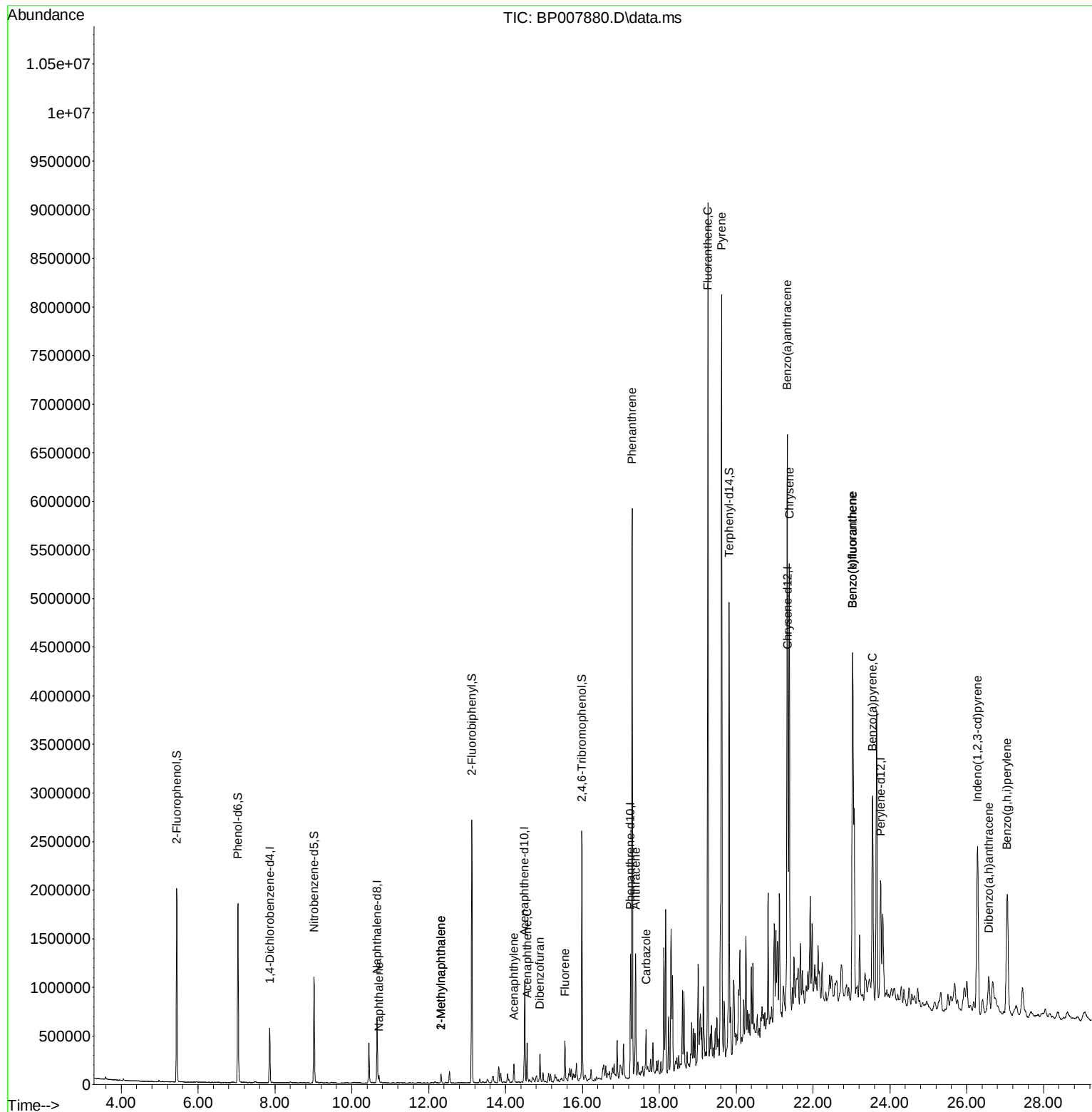
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.863	152	157272	20.00	ng	0.00
21) Naphthalene-d8	10.657	136	546965	20.00	ng	-0.01
39) Acenaphthene-d10	14.498	164	358393	20.00	ng	0.00
64) Phenanthrene-d10	17.251	188	785188	20.00	ng	-0.01
76) Chrysene-d12	21.345	240	817941	20.00	ng	0.00
86) Perylene-d12	23.757	264	937416	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.446	112	848371	91.48	ng	0.00
7) Phenol-d6	7.040	99	1048463	78.11	ng	0.00
23) Nitrobenzene-d5	9.016	82	608219	59.73	ng	-0.02
42) 2,4,6-Tribromophenol	15.992	330	470178	91.93	ng	0.00
45) 2-Fluorobiphenyl	13.122	172	1342339	54.54	ng	-0.01
79) Terphenyl-d14	19.816	244	2083385	51.87	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.346	88	246	Below Cal		Qvalue # 2
31) Naphthalene	10.710	128	57591	2.08	ng	99
37) 2-Methylnaphthalene	12.322	142	43954	2.15	ng	97
38) 1-Methylnaphthalene	12.322	142	43954	2.20	ng	92
49) Acenaphthylene	14.216	152	112184	3.55	ng	96
52) Acenaphthene	14.563	154	147008	7.71	ng	98
55) Dibenzofuran	14.898	168	131373	4.07	ng	# 95
58) Fluorene	15.545	166	169081	6.91	ng	95
71) Phenanthrene	17.298	178	3570775	86.51	ng	100
72) Anthracene	17.386	178	794986	19.57	ng	99
73) Carbazole	17.657	167	281845	6.98	ng	100
75) Fluoranthene	19.269	202	5129089	98.50	ng	96
78) Pyrene	19.622	202	4846264	96.60	ng	99
81) Benzo(a)anthracene	21.333	228	2791766	51.81	ng	98
83) Chrysene	21.386	228	2755626	54.02	ng	98
87) Indeno(1,2,3-cd)pyrene	26.280	276	1843494	26.38	ng	# 92
88) Benzo(b)fluoranthene	23.027	252	3603790	65.22	ng	96
89) Benzo(k)fluoranthene	23.027	252	3603790	65.71	ng	97
90) Benzo(a)pyrene	23.551	252	1712177	35.78	ng	97
91) Dibenzo(a,h)anthracene	26.574	278	339036	5.85	ng	93
92) Benzo(g,h,i)perylene	27.051	276	1760436	30.64	ng	96

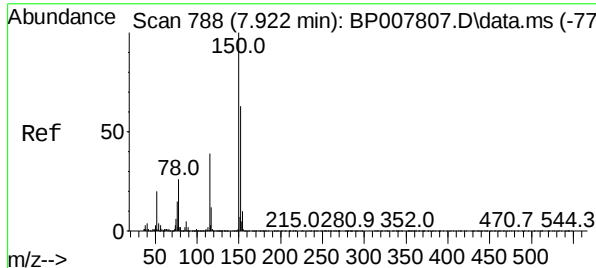
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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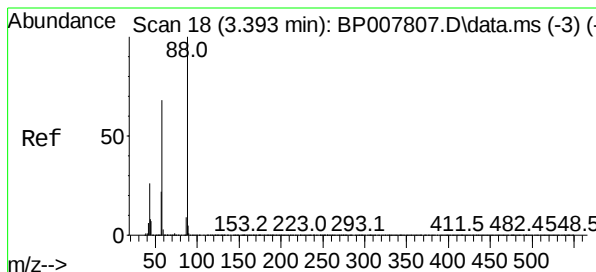
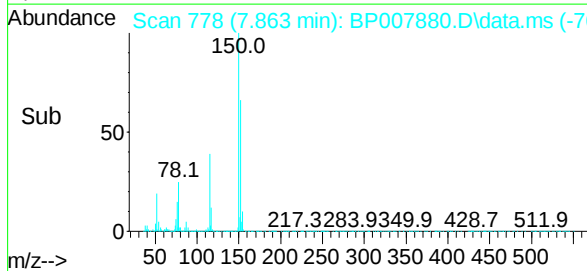
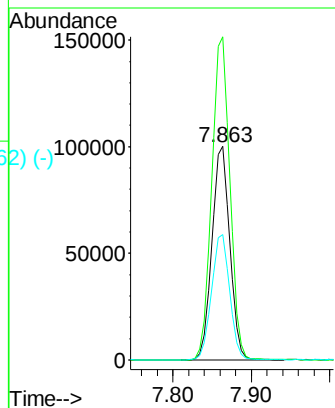
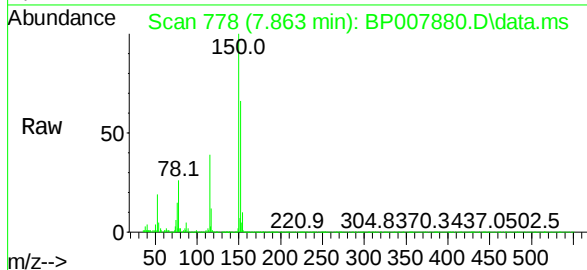




1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.863 min Scan#
 Delta R.T. -0.006 min
 Lab File: BP007880.D
 Acq: 09 Nov 2021 02:02

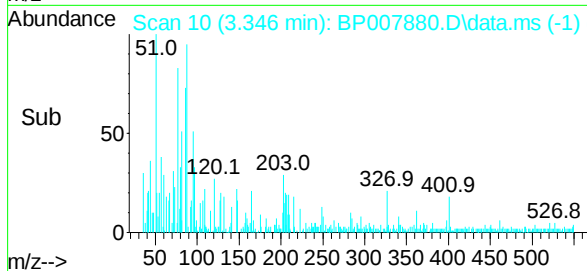
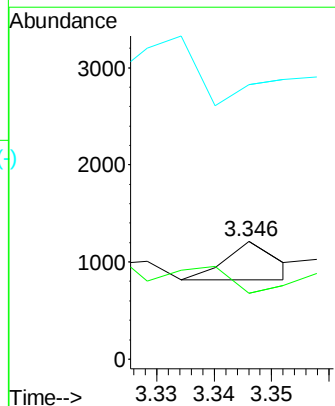
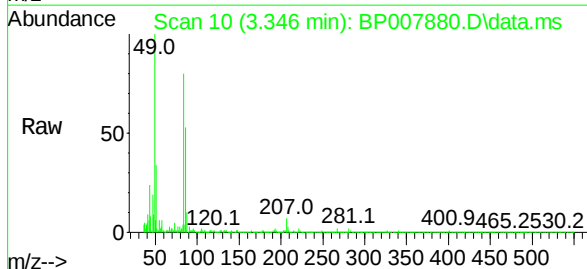
Instrument :
 BNA_P
 ClientSampleId :
 CL-02-110521

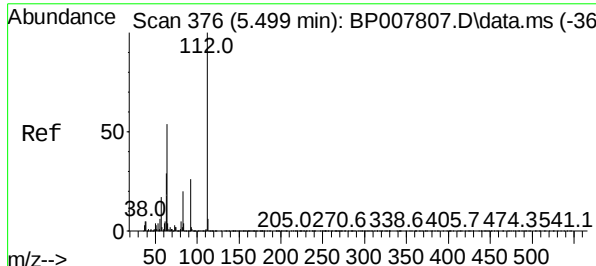
Tgt Ion:	152	Resp:	157272
Ion	Ratio	Lower	Upper
152	100		
150	151.3	124.1	186.1
115	58.6	48.1	72.1



1,4-Dioxane
 Concen: Below Cal
 RT: 3.346 min Scan# 10
 Delta R.T. -0.006 min
 Lab File: BP007880.D
 Acq: 09 Nov 2021 02:02

Tgt Ion:	88	Resp:	246
Ion	Ratio	Lower	Upper
88	100		
58	0.0	58.1	87.1#
43	94.3	22.2	33.4#





2-Fluorophenol

Concen: 91.48 ng

RT: 5.446 min Scan# 637

Delta R.T. -0.006 min

Lab File: BP007880.D

Acq: 09 Nov 2021 02:02

Instrument :

BNA_P

ClientSampleId :

CL-02-110521

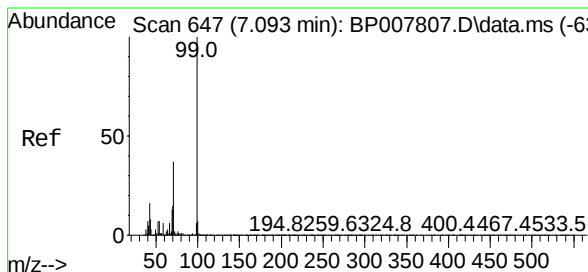
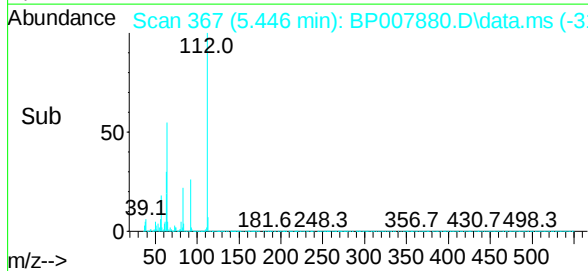
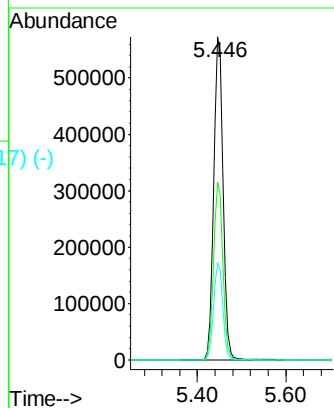
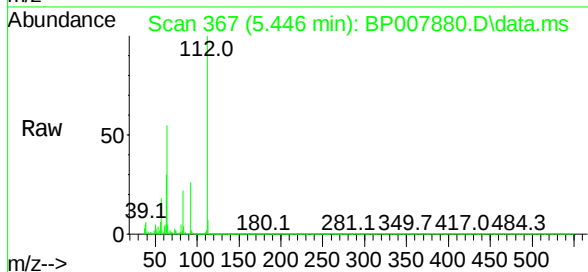
Tgt Ion: 112 Resp: 848371

Ion Ratio Lower Upper

112 100

64 55.0 46.6 70.0

63 30.2 25.0 37.6



Phenol-d6

Concen: 78.11 ng

RT: 7.040 min Scan# 638

Delta R.T. -0.006 min

Lab File: BP007880.D

Acq: 09 Nov 2021 02:02

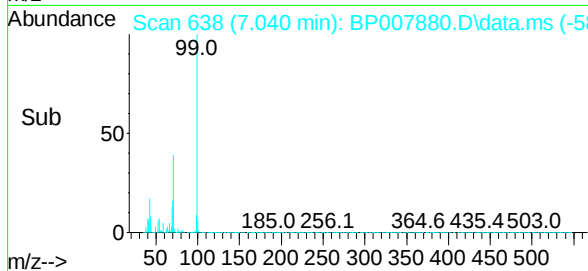
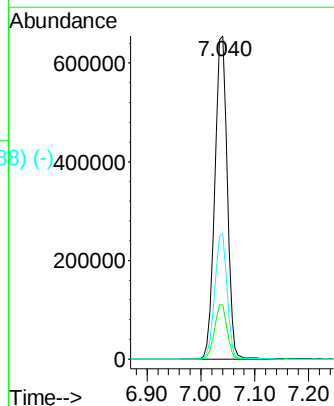
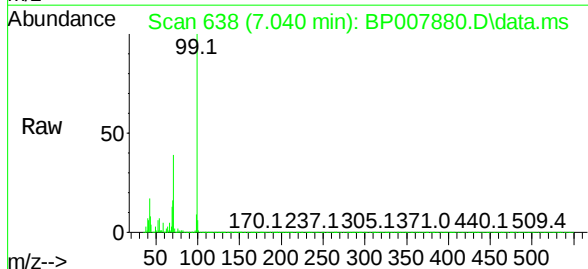
Tgt Ion: 99 Resp: 1048463

Ion Ratio Lower Upper

99 100

42 16.8 14.9 22.3

71 38.8 29.2 43.8



Abundance Scan 1265 (10.728 min): BP007807.D\data.ms (-127) (-)

Naphthalene-d8

Concen: 20.00 ng

RT: 10.657 min Scan# 1253

Delta R.T. -0.012 min

Lab File: BP007880.D

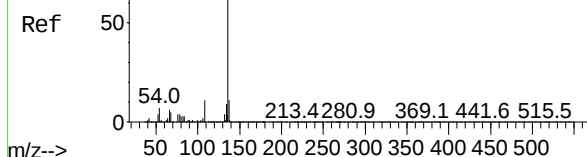
Acq: 09 Nov 2021 02:02

Instrument :

BNP_P

ClientSampleId :

CL-02-110521



Tgt Ion:136 Resp: 546965

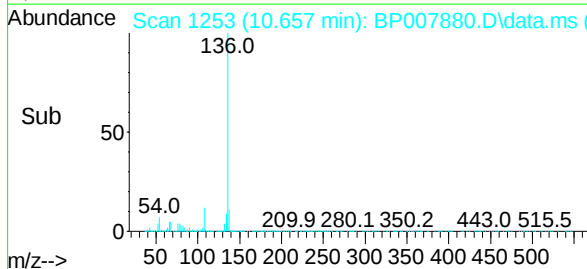
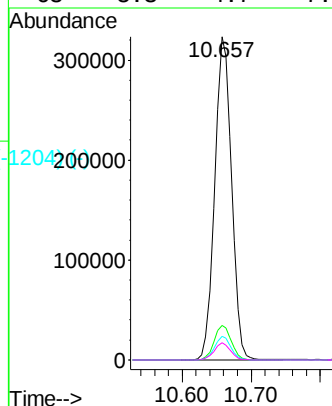
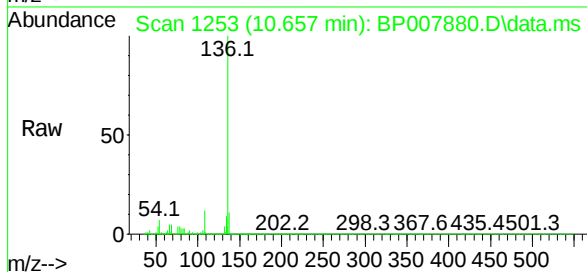
Ion Ratio Lower Upper

136 100

137 10.7 8.6 13.0

54 7.4 6.2 9.4

68 5.3 4.7 7.1



Abundance Scan 986 (9.087 min): BP007807.D\data.ms (-978) (-)

Nitrobenzene-d5

Concen: 59.73 ng

RT: 9.016 min Scan# 974

Delta R.T. -0.018 min

Lab File: BP007880.D

Acq: 09 Nov 2021 02:02

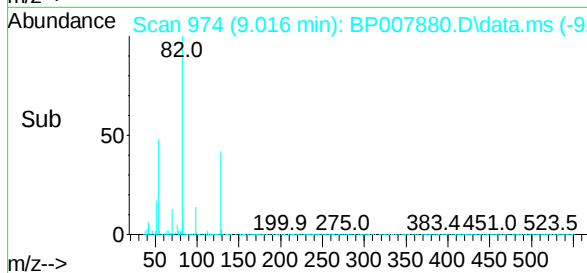
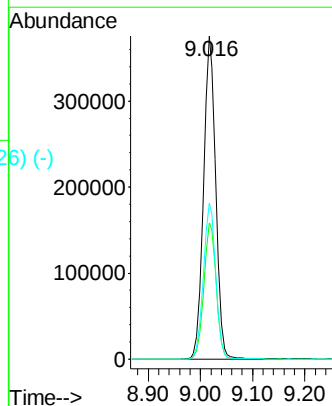
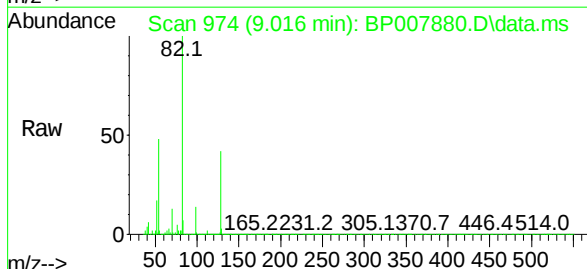
Tgt Ion: 82 Resp: 608219

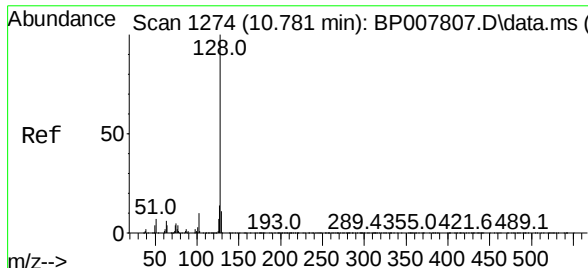
Ion Ratio Lower Upper

82 100

128 42.3 32.6 48.8

54 48.3 40.4 60.6

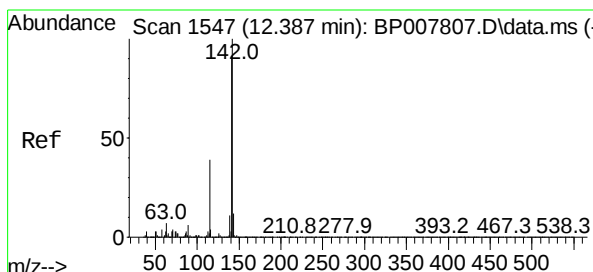
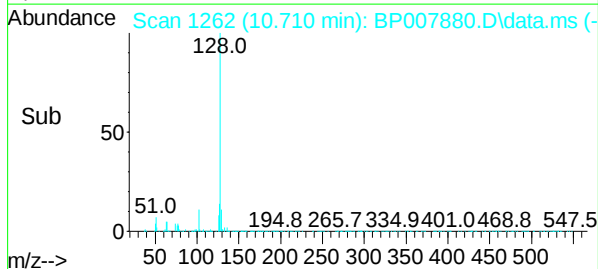
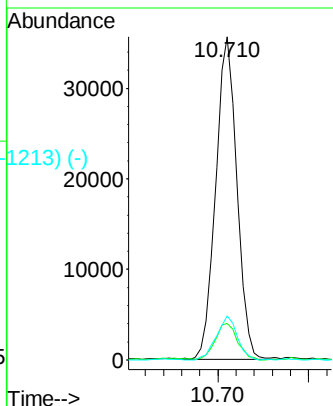
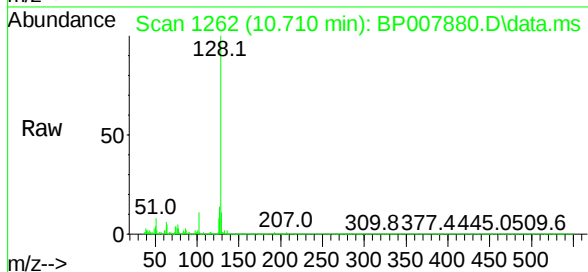




Naphthalene
 Concen: 2.08 ng
 RT: 10.710 min Scan# 1262
 Delta R.T. -0.012 min
 Lab File: BP007880.D
 Acq: 09 Nov 2021 02:02

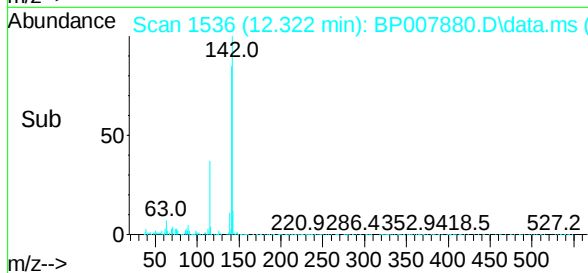
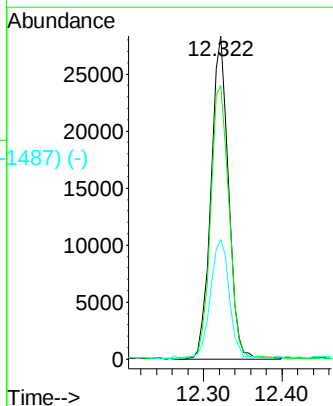
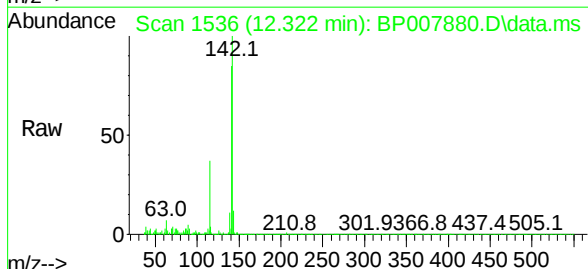
Instrument :
 BNA_P
 ClientSampleId :
 CL-02-110521

Tgt Ion:	128	Resp:	57591
Ion	Ratio	Lower	Upper
128	100		
129	11.3	8.9	13.3
127	13.6	10.2	15.4

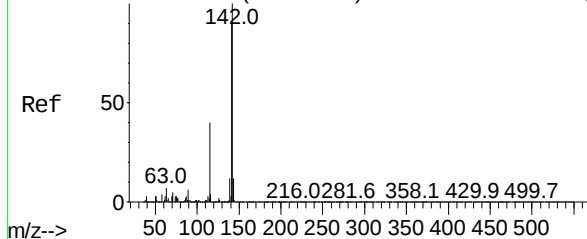


2-Methylnaphthalene
 Concen: 2.15 ng
 RT: 12.322 min Scan# 1536
 Delta R.T. -0.012 min
 Lab File: BP007880.D
 Acq: 09 Nov 2021 02:02

Tgt Ion:	142	Resp:	43954
Ion	Ratio	Lower	Upper
142	100		
141	84.8	71.4	107.0
115	37.0	29.5	44.3



Abundance Scan 1584 (12.604 min): BP007807.D\data.ms (-1578) (-)



1-Methylnaphthalene

Concen: 2.20 ng

RT: 12.322 min Scan# 1584

Delta R.T. -0.229 min

Lab File: BP007880.D

Acq: 09 Nov 2021 02:02

Instrument :

BNA_P

ClientSampleId :

CL-02-110521

Tgt Ion:142 Resp: 43954

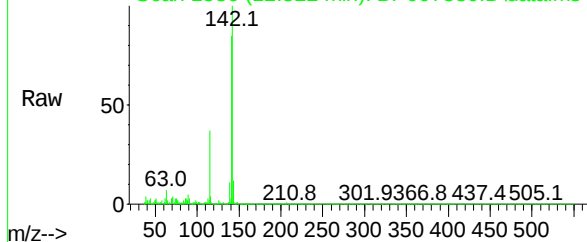
Ion Ratio Lower Upper

142 100

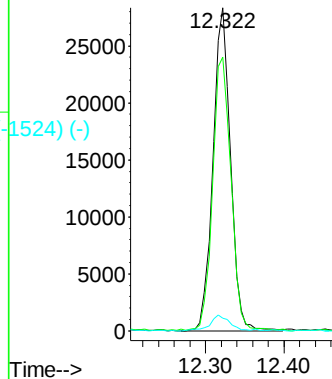
141 84.8 74.4 111.6

116 4.0 3.4 5.0

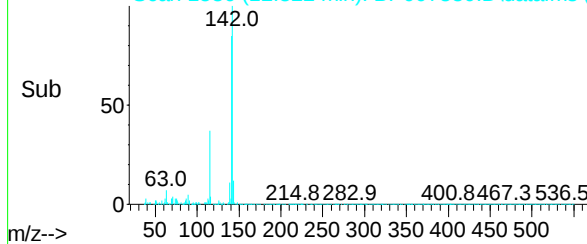
Abundance Scan 1536 (12.322 min): BP007880.D\data.ms



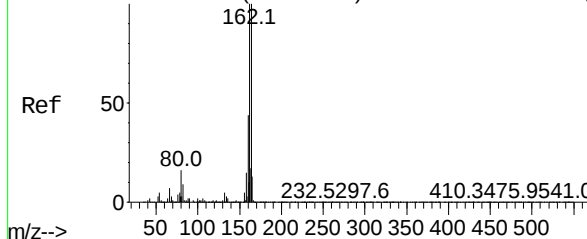
Abundance



Abundance Scan 1536 (12.322 min): BP007880.D\data.ms (-1524) (-)



Abundance Scan 1917 (14.563 min): BP007807.D\data.ms (-1909) (-)



Acenaphthene-d10

Concen: 20.00 ng

RT: 14.498 min Scan# 1906

Delta R.T. -0.006 min

Lab File: BP007880.D

Acq: 09 Nov 2021 02:02

Tgt Ion:164 Resp: 358393

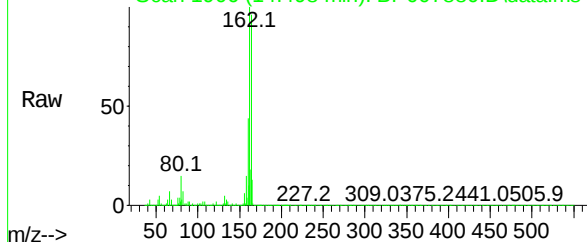
Ion Ratio Lower Upper

164 100

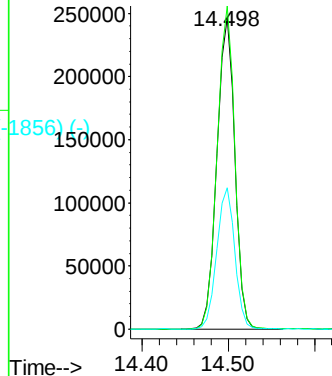
162 104.0 81.1 121.7

160 45.4 36.0 54.0

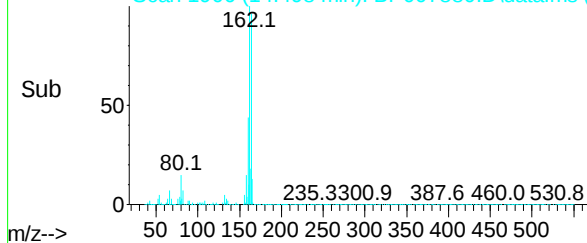
Abundance Scan 1906 (14.498 min): BP007880.D\data.ms

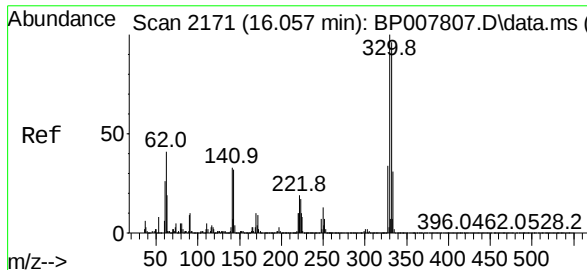


Abundance



Abundance Scan 1906 (14.498 min): BP007880.D\data.ms (-1856) (-)

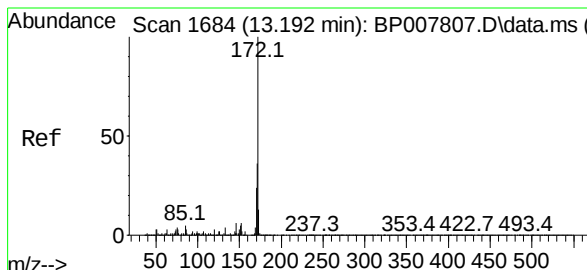
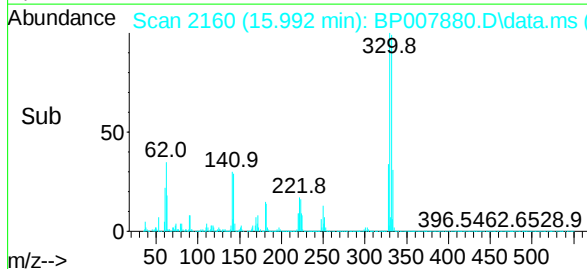
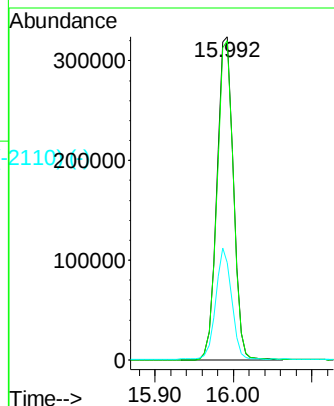
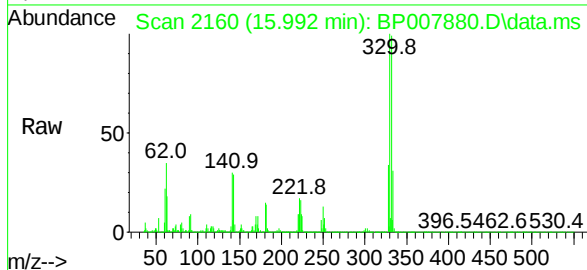




2,4,6-Tribromophenol
 Concen: 91.93 ng
 RT: 15.992 min Scan# 1
 Delta R.T. -0.006 min
 Lab File: BP007880.D
 Acq: 09 Nov 2021 02:02

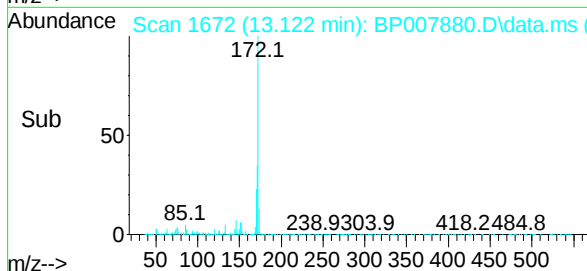
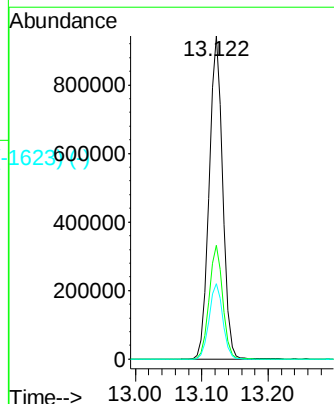
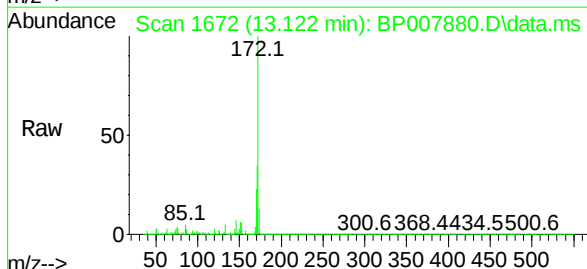
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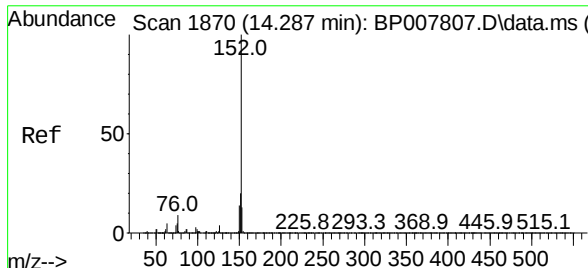
Tgt Ion:330 Resp: 470178
 Ion Ratio Lower Upper
 330 100
 332 98.3 78.9 118.3
 141 33.8 30.7 46.1



2-Fluorobiphenyl
 Concen: 54.54 ng
 RT: 13.122 min Scan# 1672
 Delta R.T. -0.012 min
 Lab File: BP007880.D
 Acq: 09 Nov 2021 02:02

Tgt Ion:172 Resp: 1342339
 Ion Ratio Lower Upper
 172 100
 171 35.2 28.2 42.2
 170 23.3 19.0 28.4

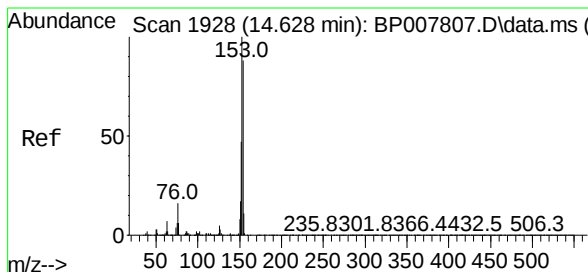
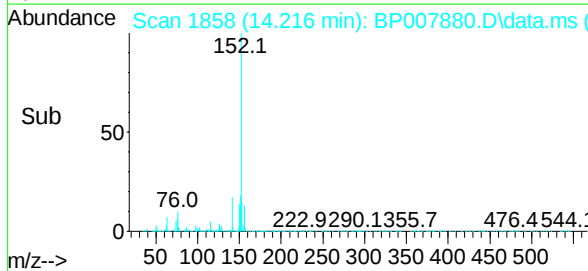
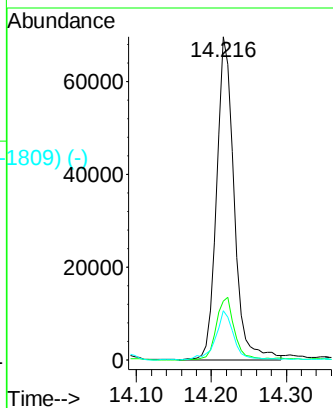
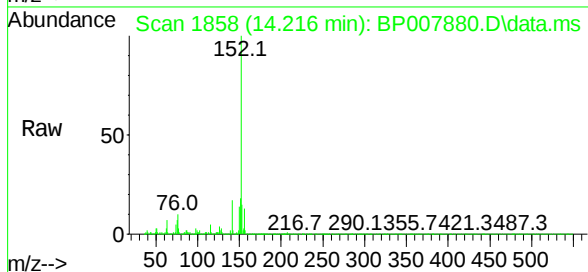




Acenaphthylene
Concen: 3.55 ng
RT: 14.216 min Scan# 1858
Delta R.T. -0.012 min
Lab File: BP007880.D
Acq: 09 Nov 2021 02:02

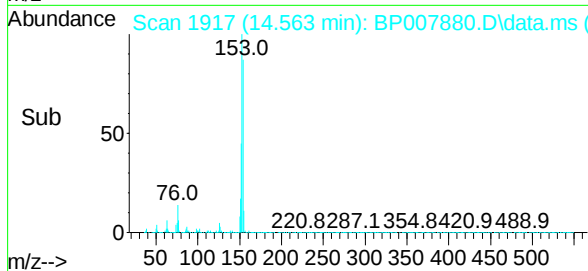
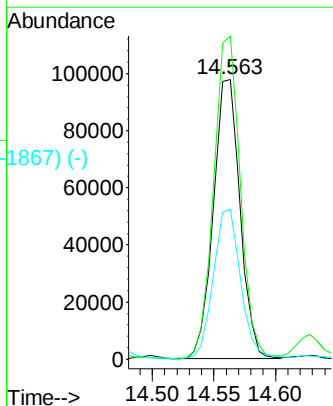
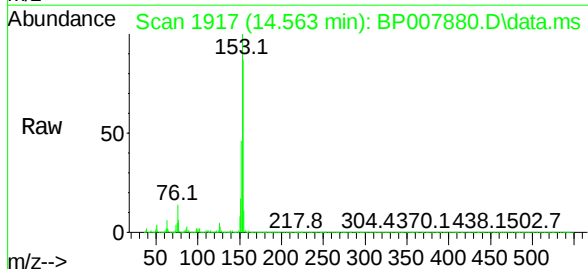
Instrument :
BNA_P
ClientSampleId :
CL-02-110521

Tgt Ion:	152	Resp:	112184
Ion	Ratio	Lower	Upper
152	100		
151	18.3	15.8	23.6
153	15.2	10.2	15.2



Acenaphthene
Concen: 7.71 ng
RT: 14.563 min Scan# 1917
Delta R.T. -0.006 min
Lab File: BP007880.D
Acq: 09 Nov 2021 02:02

Tgt Ion:	154	Resp:	147008
Ion	Ratio	Lower	Upper
154	100		
153	115.4	90.4	135.6
152	53.6	42.3	63.5



Abundance Scan 1985 (14.963 min): BP007807.D\data.ms (-1955) (-)

Dibenzofuran

Concen: 4.07 ng

RT: 14.898 min Scan# 1974

Delta R.T. -0.006 min

Lab File: BP007880.D

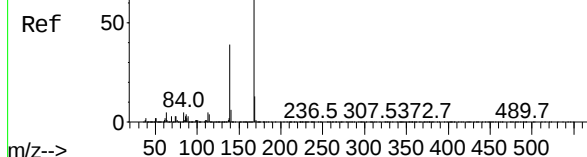
Acq: 09 Nov 2021 02:02

Instrument :

BNA_P

ClientSampleId :

CL-02-110521



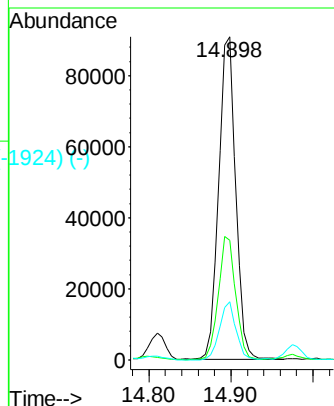
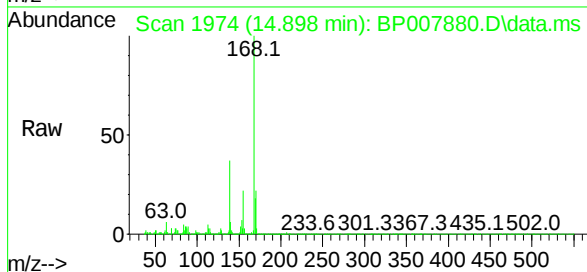
Tgt Ion:168 Resp: 131373

Ion Ratio Lower Upper

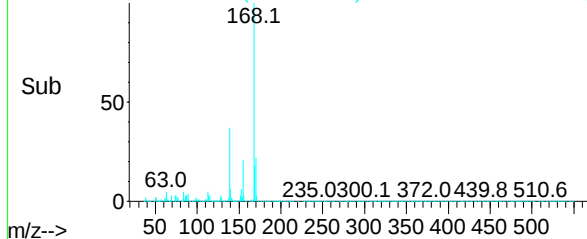
168 100

139 37.0 30.8 46.2

169 18.1 11.0 16.6#



Abundance Scan 1974 (14.898 min): BP007880.D\data.ms (-1924) (-)



Abundance Scan 2096 (15.616 min): BP007807.D\data.ms (-2058) (-)

Fluorene

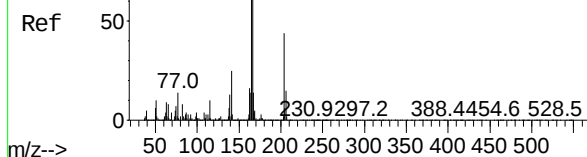
Concen: 6.91 ng

RT: 15.545 min Scan# 2084

Delta R.T. -0.012 min

Lab File: BP007880.D

Acq: 09 Nov 2021 02:02



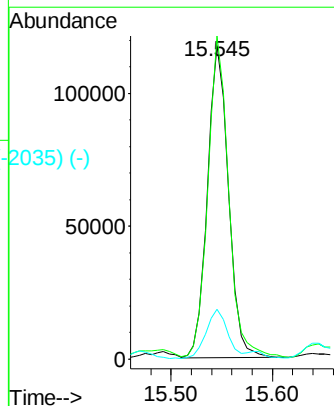
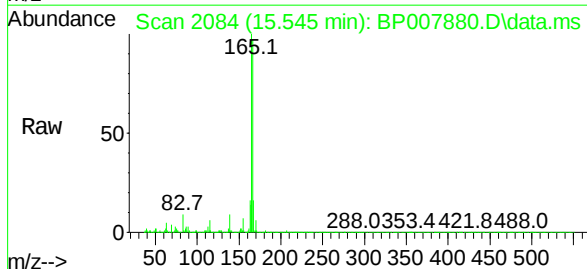
Tgt Ion:166 Resp: 169081

Ion Ratio Lower Upper

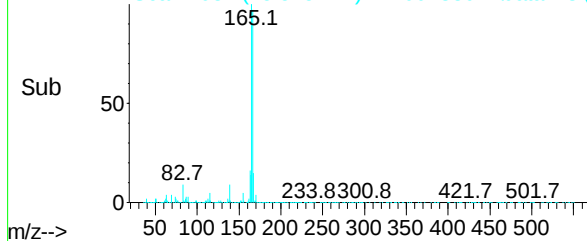
166 100

165 103.1 78.9 118.3

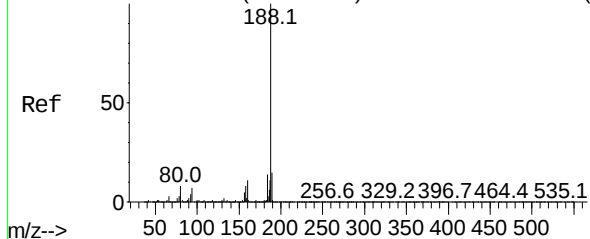
167 16.0 10.9 16.3



Abundance Scan 2084 (15.545 min): BP007880.D\data.ms (-2035) (-)



Abundance Scan 2386 (17.322 min): BP007807.D\data.ms (-2386) (-)



Phenanthrene-d10

Concen: 20.00 ng

RT: 17.251 min Scan# 2386

Delta R.T. -0.012 min

Lab File: BP007880.D

Acq: 09 Nov 2021 02:02

Instrument :

BNA_P

ClientSampleId :

CL-02-110521

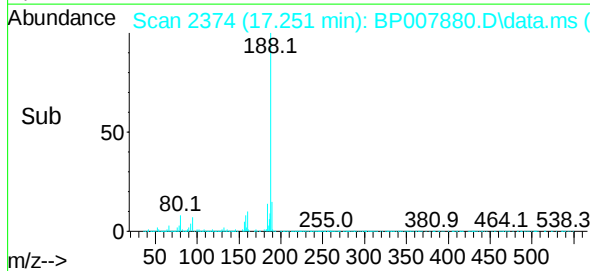
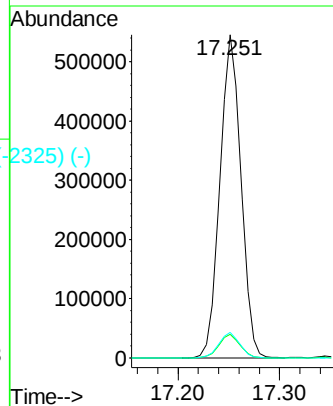
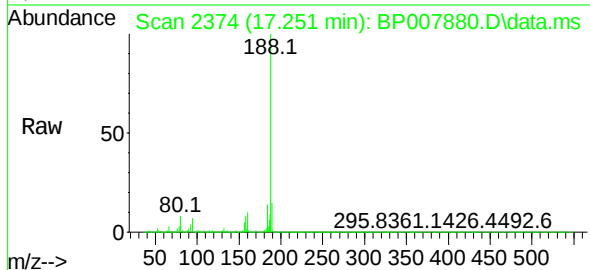
Tgt Ion:188 Resp: 785188

Ion Ratio Lower Upper

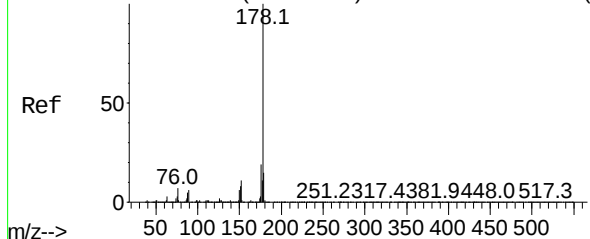
188 100

94 7.2 7.1 10.7

80 7.9 7.8 11.6



Abundance Scan 2393 (17.363 min): BP007807.D\data.ms (-2393) (-)



Phenanthrene

Concen: 86.51 ng

RT: 17.298 min Scan# 2382

Delta R.T. -0.006 min

Lab File: BP007880.D

Acq: 09 Nov 2021 02:02

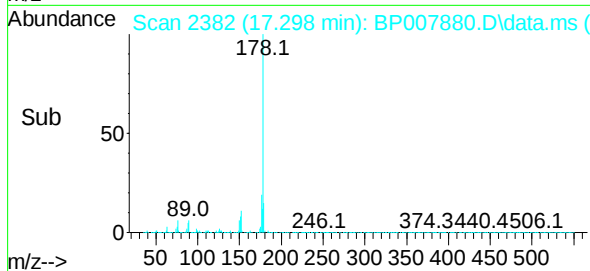
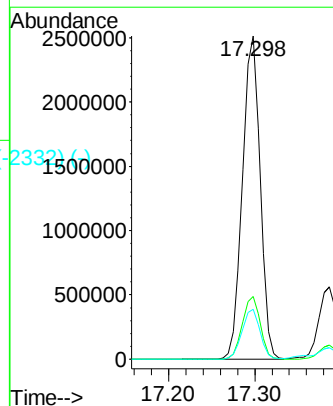
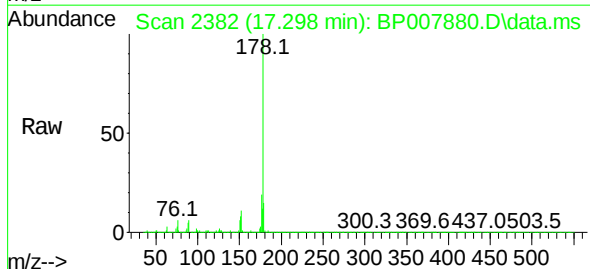
Tgt Ion:178 Resp: 3570775

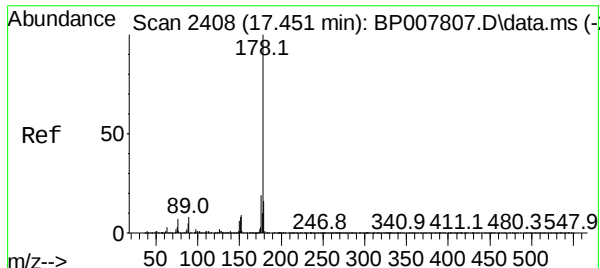
Ion Ratio Lower Upper

178 100

176 19.5 15.4 23.0

179 15.4 12.3 18.5

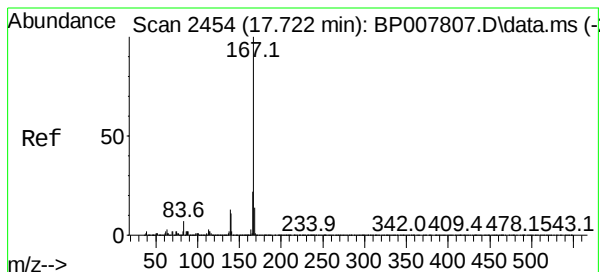
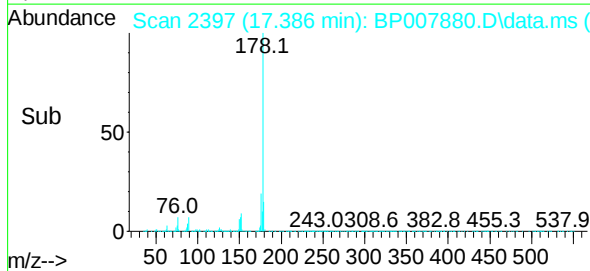
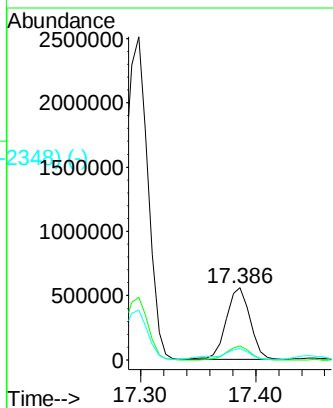
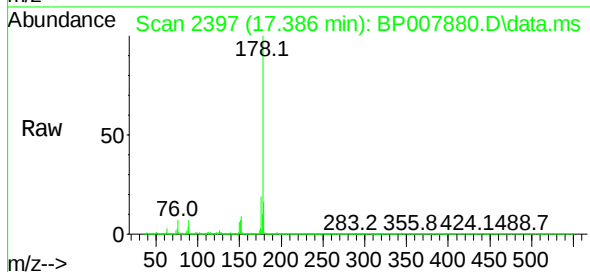




473 (-)
 Anthracene
 Concen: 19.57 ng
 RT: 17.386 min Scan# 2408
 Delta R.T. -0.012 min
 Lab File: BP007880.D
 Acq: 09 Nov 2021 02:02

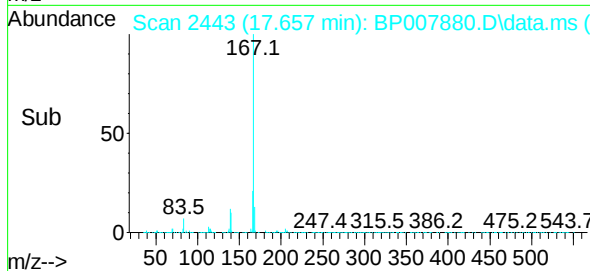
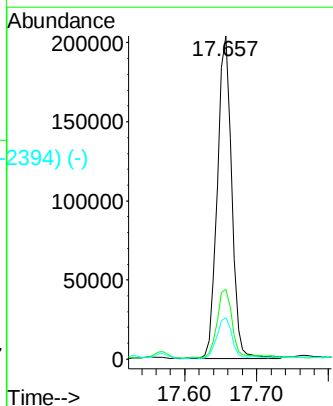
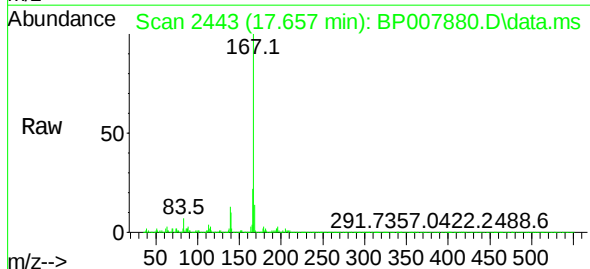
Instrument :
 BNA_P
 ClientSampleId :
 CL-02-110521

Tgt Ion:	178	Resp:	794986
Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.0	22.6
179	15.6	12.2	18.4

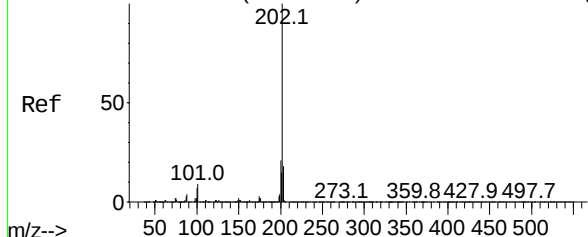


473 (-)
 Carbazole
 Concen: 6.98 ng
 RT: 17.657 min Scan# 2443
 Delta R.T. -0.012 min
 Lab File: BP007880.D
 Acq: 09 Nov 2021 02:02

Tgt Ion:	167	Resp:	281845
Ion	Ratio	Lower	Upper
167	100		
166	21.6	17.3	25.9
139	12.8	10.4	15.6



Abundance Scan 2727 (19.327 min): BP007807.D\data.ms (-2727) (-)



Fluoranthene

Concen: 98.50 ng

RT: 19.269 min Scan# 1

Delta R.T. -0.006 min

Lab File: BP007880.D

Acq: 09 Nov 2021 02:02

Instrument :

BNA_P

ClientSampleId :

CL-02-110521

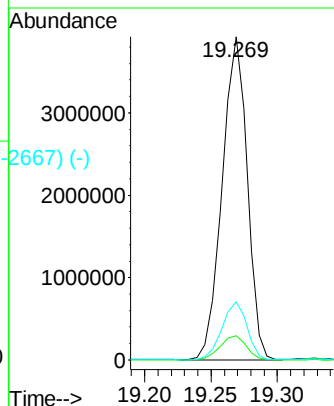
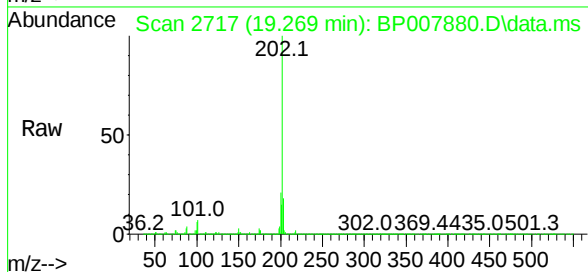
Tgt Ion:202 Resp: 5129089

Ion Ratio Lower Upper

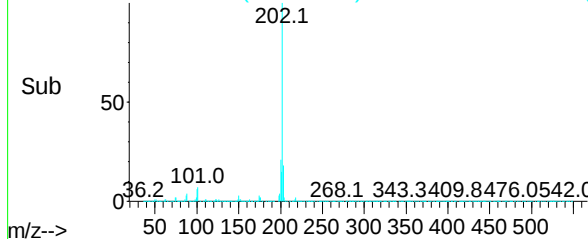
202 100

101 7.4 0.0 30.4

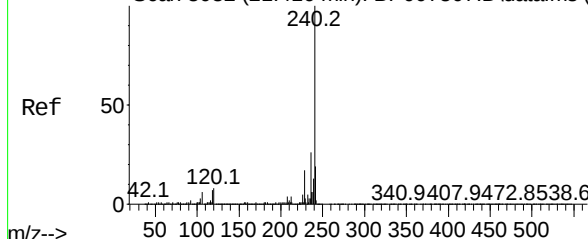
203 18.0 0.0 37.6



Abundance Scan 2717 (19.269 min): BP007880.D\data.ms (-2667) (-)



Abundance Scan 3082 (21.416 min): BP007807.D\data.ms (-3073) (-)



Chrysene-d12

Concen: 20.00 ng

RT: 21.345 min Scan# 3070

Delta R.T. -0.006 min

Lab File: BP007880.D

Acq: 09 Nov 2021 02:02

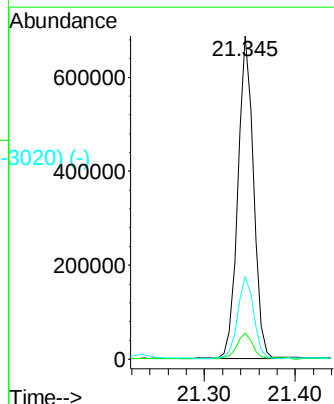
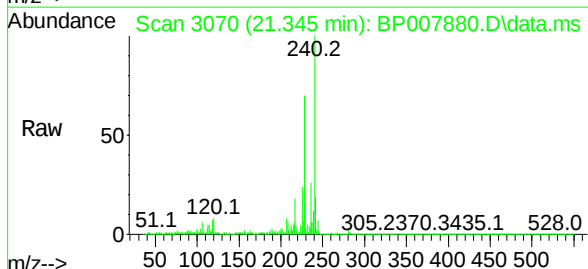
Tgt Ion:240 Resp: 817941

Ion Ratio Lower Upper

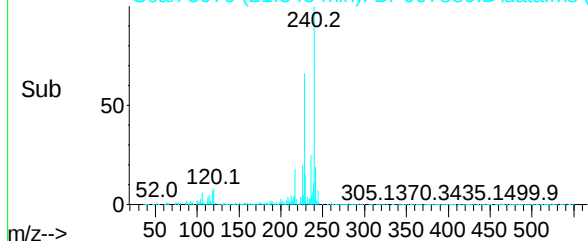
240 100

120 8.1 7.8 11.8

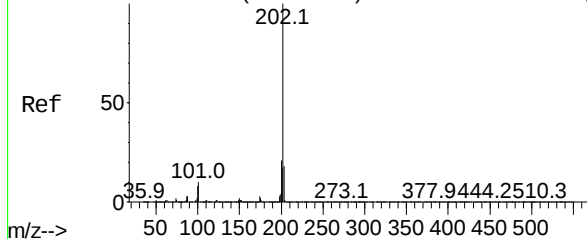
236 25.5 20.6 30.8



Abundance Scan 3070 (21.345 min): BP007880.D\data.ms (-3020) (-)



Abundance Scan 2787 (19.680 min): BP007807.D\data.ms (-2778) (-)



Pyrene

Concen: 96.60 ng

RT: 19.622 min Scan# 2777

Delta R.T. -0.006 min

Lab File: BP007880.D

Acq: 09 Nov 2021 02:02

Instrument :

BNA_P

ClientSampleId :

CL-02-110521

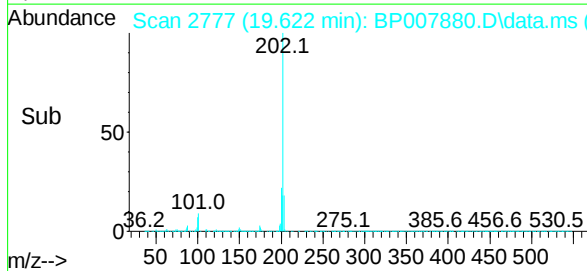
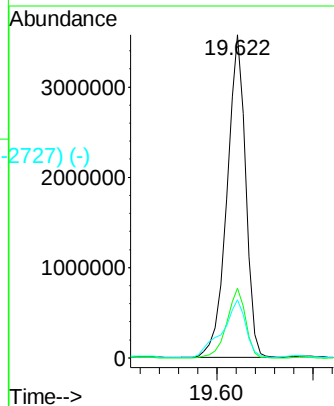
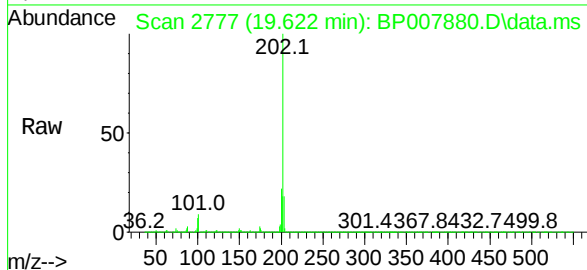
Tgt Ion:202 Resp: 4846264

Ion Ratio Lower Upper

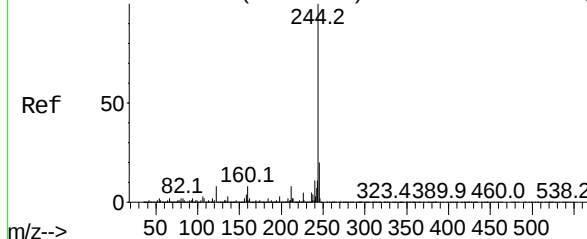
202 100

200 21.6 16.9 25.3

203 18.1 13.8 20.6



Abundance Scan 2821 (19.880 min): BP007807.D\data.ms (-2810) (-)



Terphenyl-d14

Concen: 51.87 ng

RT: 19.816 min Scan# 2810

Delta R.T. -0.006 min

Lab File: BP007880.D

Acq: 09 Nov 2021 02:02

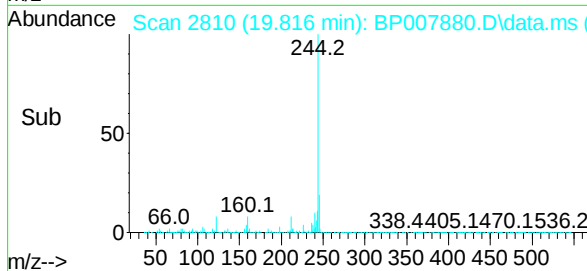
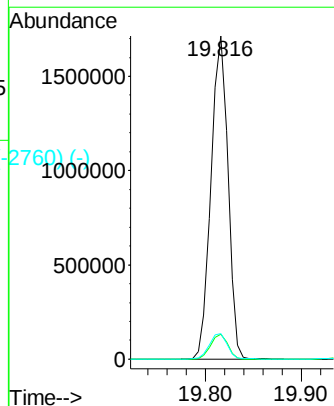
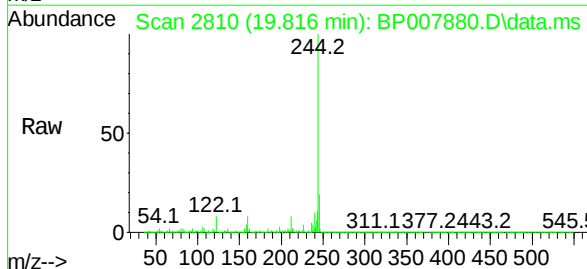
Tgt Ion:244 Resp: 2083385

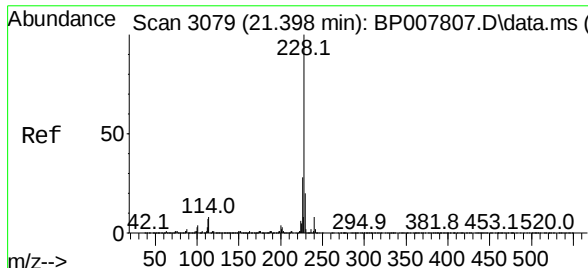
Ion Ratio Lower Upper

244 100

212 7.8 6.2 9.2

122 7.9 7.8 11.8

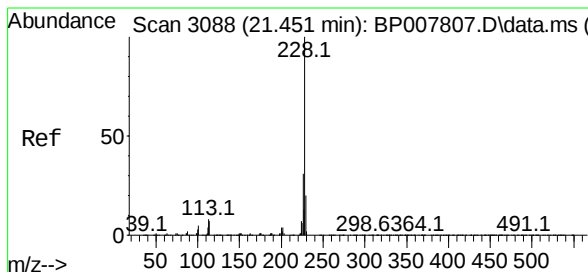
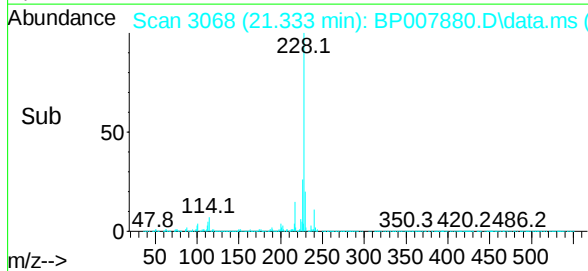
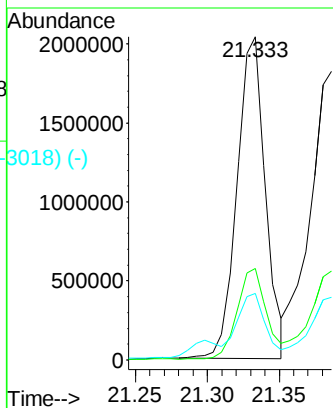
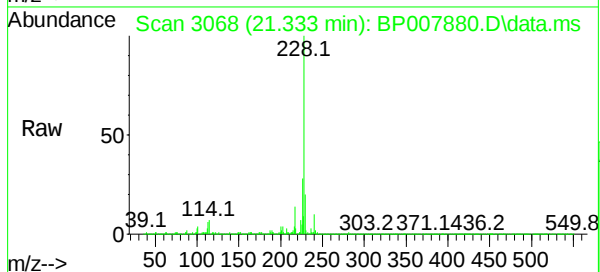




Scan 3079 (21.398 min): BP007807.D\data.ms (-3079) (-)
 Benzo(a)anthracene
 Concen: 51.81 ng
 RT: 21.333 min Scan# 3068
 Delta R.T. -0.006 min
 Lab File: BP007880.D
 Acq: 09 Nov 2021 02:02

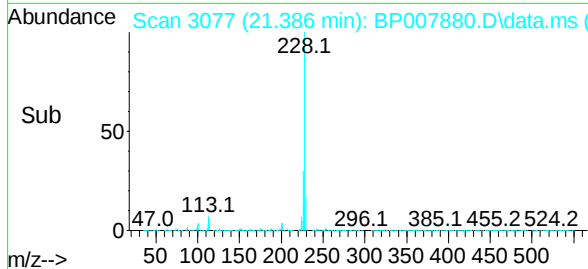
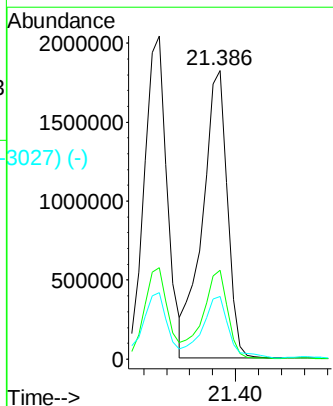
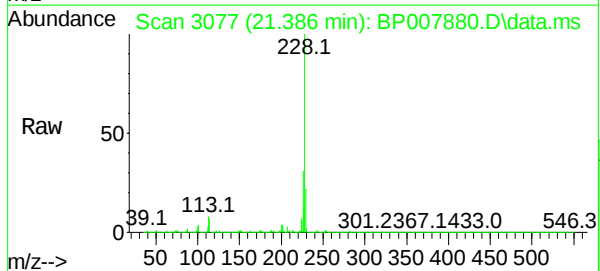
Instrument :
 BNA_P
 ClientSampleId :
 CL-02-110521

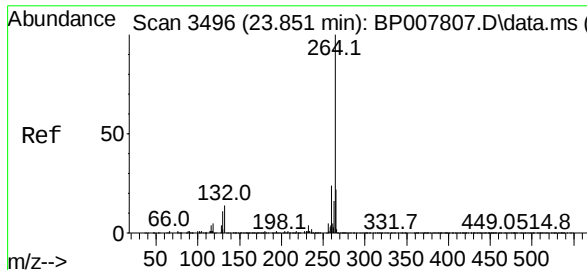
Tgt Ion:	228	Resp:	2791766
Ion	Ratio	Lower	Upper
228	100		
226	28.3	21.8	32.6
229	20.5	15.7	23.5



Scan 3088 (21.451 min): BP007807.D\data.ms (-3088) (-)
 Chrysene
 Concen: 54.02 ng
 RT: 21.386 min Scan# 3077
 Delta R.T. -0.006 min
 Lab File: BP007880.D
 Acq: 09 Nov 2021 02:02

Tgt Ion:	228	Resp:	2755626
Ion	Ratio	Lower	Upper
228	100		
226	30.7	24.6	37.0
229	21.7	15.7	23.5

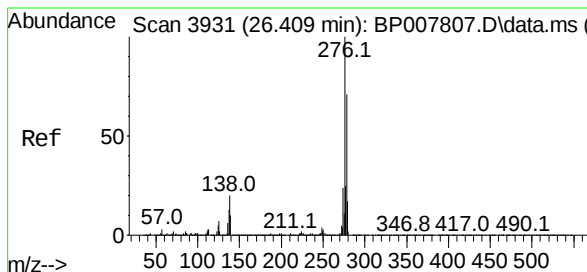
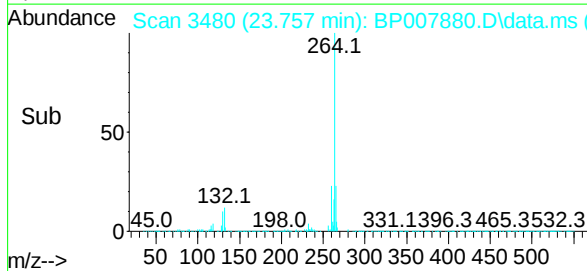
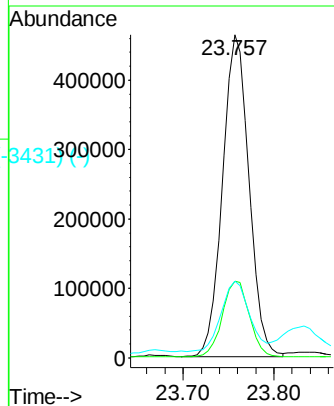
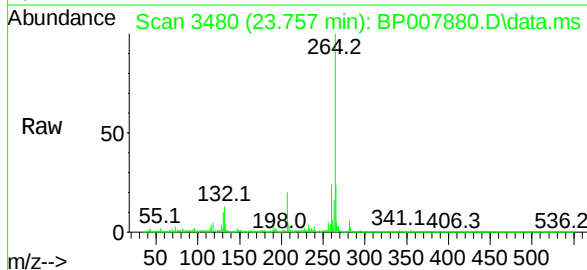




Perylene-d12
Concen: 20.00 ng
RT: 23.757 min Scan# 3486
Delta R.T. -0.012 min
Lab File: BP007880.D
Acq: 09 Nov 2021 02:02

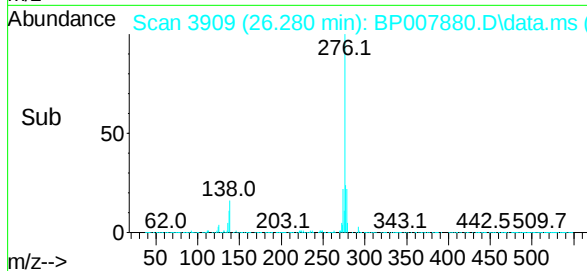
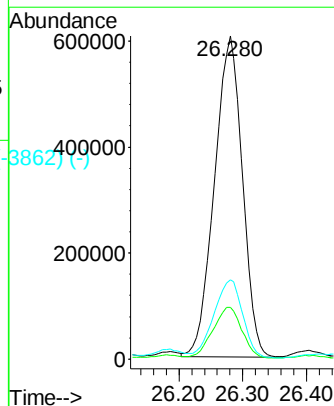
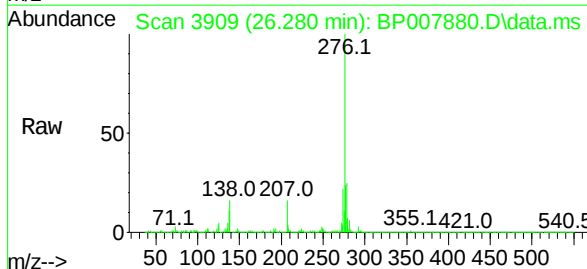
Instrument :
BNA_P
ClientSampleId :
CL-02-110521

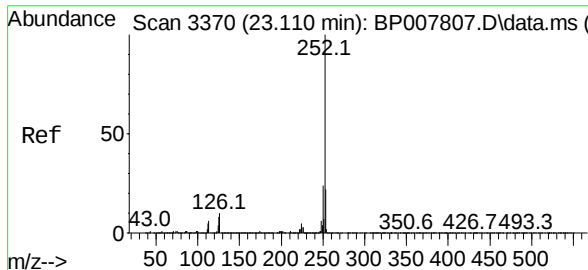
Tgt Ion:	264	Resp:	937416
Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.1	28.7
265	23.8	16.7	25.1



Indeno(1,2,3-cd)pyrene
Concen: 26.38 ng
RT: 26.280 min Scan# 3909
Delta R.T. -0.023 min
Lab File: BP007880.D
Acq: 09 Nov 2021 02:02

Tgt Ion:	276	Resp:	1843494
Ion	Ratio	Lower	Upper
276	100		
138	16.3	19.4	29.0#
277	25.0	20.2	30.2

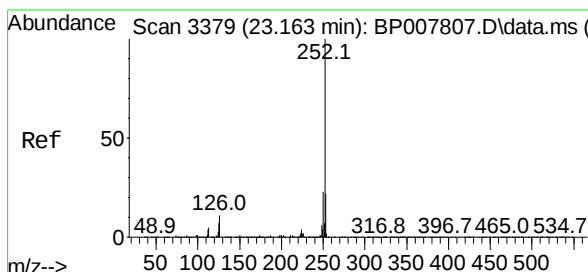
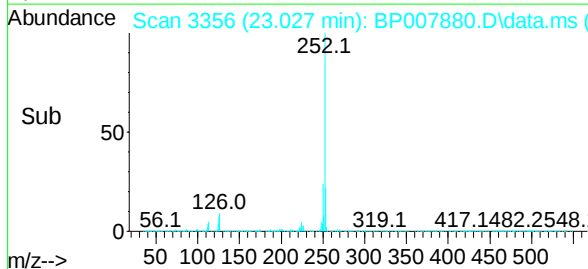
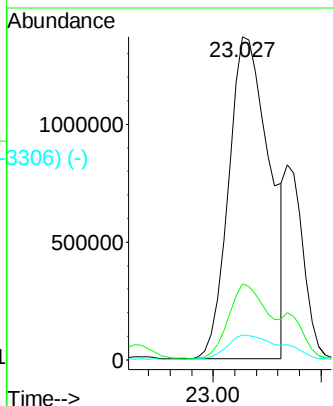
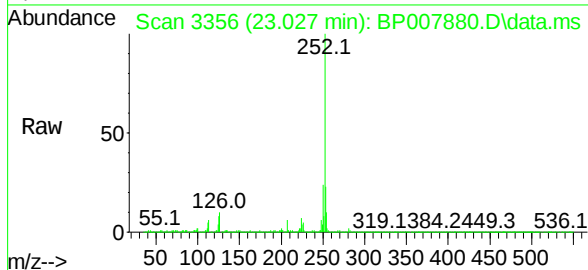




Benzo(b)fluoranthene
 Concen: 65.22 ng
 RT: 23.027 min Scan# 3356
 Delta R.T. -0.006 min
 Lab File: BP007880.D
 Acq: 09 Nov 2021 02:02

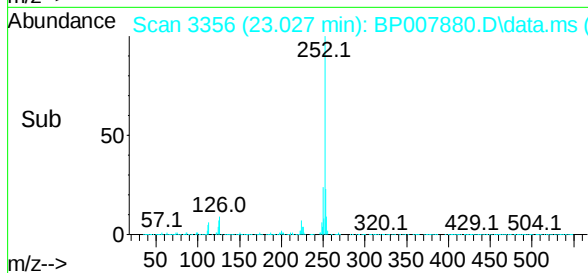
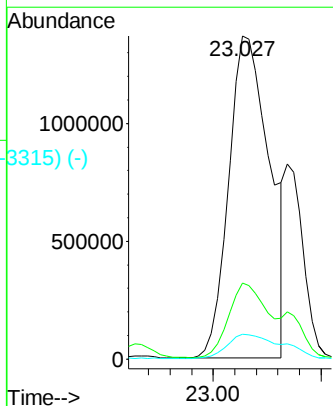
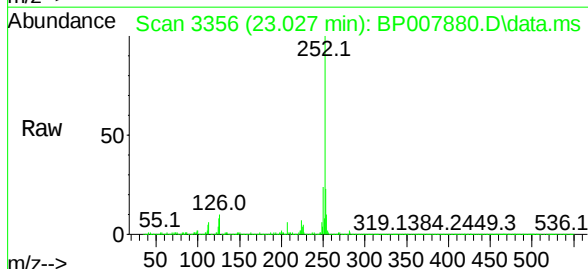
Instrument :
 BNA_P
 ClientSampleId :
 CL-02-110521

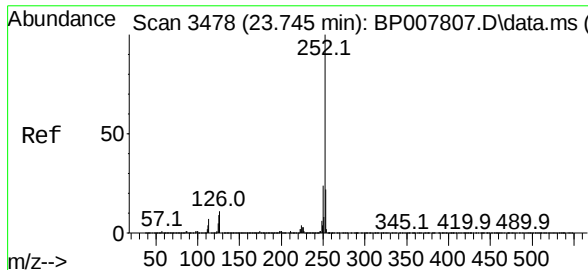
Tgt Ion:	252	Resp:	3603790
Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.4	26.2
125	7.7	7.4	11.0



Benzo(k)fluoranthene
 Concen: 65.71 ng
 RT: 23.027 min Scan# 3356
 Delta R.T. -0.059 min
 Lab File: BP007880.D
 Acq: 09 Nov 2021 02:02

Tgt Ion:	252	Resp:	3603790
Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.6	26.4
125	7.7	7.4	11.0

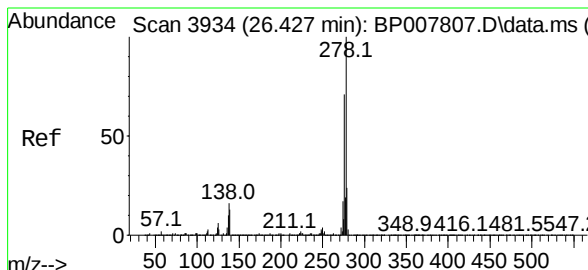
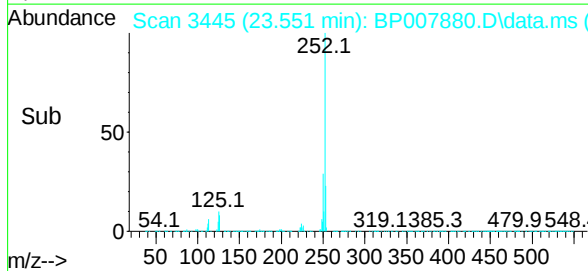
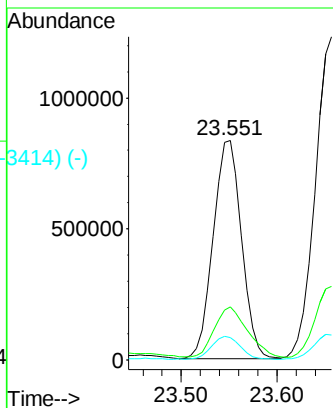
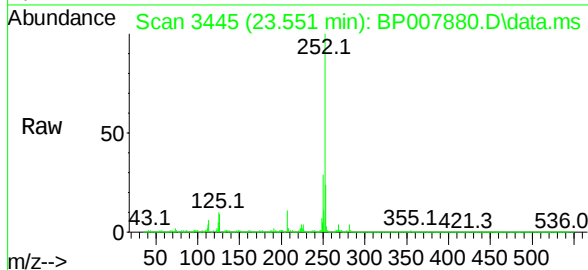




Benzo(a)pyrene
Concen: 35.78 ng
RT: 23.551 min Scan# 409
Delta R.T. -0.117 min
Lab File: BP007880.D
Acq: 09 Nov 2021 02:02

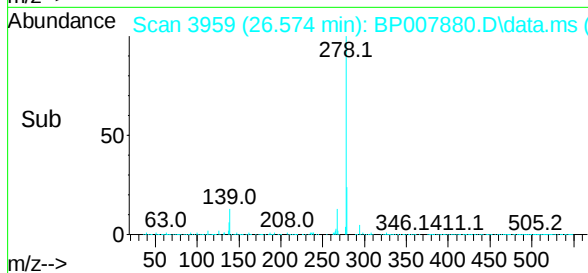
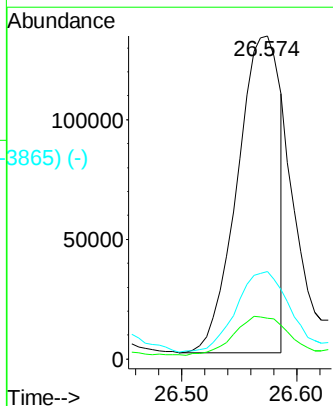
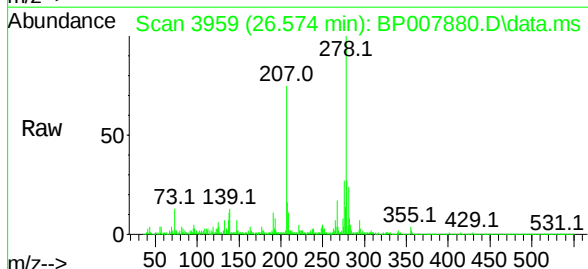
Instrument :
BNA_P
ClientSampleId :
CL-02-110521

Tgt Ion:	252	Resp:	1712177
Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.6	26.4
125	10.2	8.4	12.6

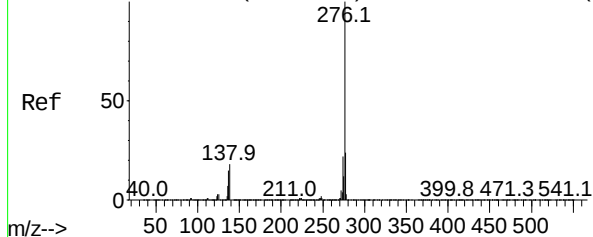


Dibenzo(a,h)anthracene
Concen: 5.85 ng
RT: 26.574 min Scan# 3959
Delta R.T. 0.253 min
Lab File: BP007880.D
Acq: 09 Nov 2021 02:02

Tgt Ion:	278	Resp:	339036
Ion	Ratio	Lower	Upper
278	100		
139	12.6	11.8	17.6
279	27.1	18.6	27.8



Abundance Scan 4064 (27.192 min): BP007807.D\data.ms (-4092)



Benzo(g,h,i)perylene

Concen: 30.64 ng

RT: 27.051 min Scan# 4040

Delta R.T. -0.029 min

Lab File: BP007880.D

Acq: 09 Nov 2021 02:02

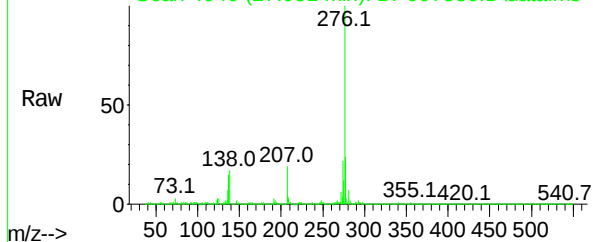
Instrument :

BNA_P

ClientSampleId :

CL-02-110521

Abundance Scan 4040 (27.051 min): BP007880.D\data.ms



Tgt Ion:276 Resp: 1760436

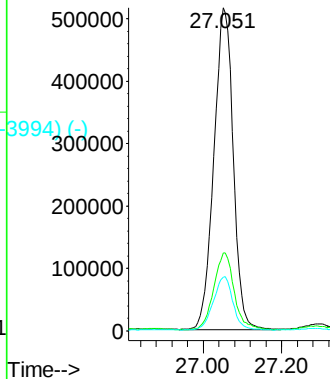
Ion Ratio Lower Upper

276 100

277 24.2 19.4 29.0

138 16.6 16.2 24.4

Abundance



Abundance Scan 4040 (27.051 min): BP007880.D\data.ms (-3994)

