

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP062421\
 Data File : BP006066.D
 Acq On : 24 Jun 2021 22:35
 Operator : CG/JU
 Sample : M2819-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 CL-02-062321

Quant Time: Jun 25 01:12:50 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060821.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 22 17:52:38 2021
 Response via : Initial Calibration

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

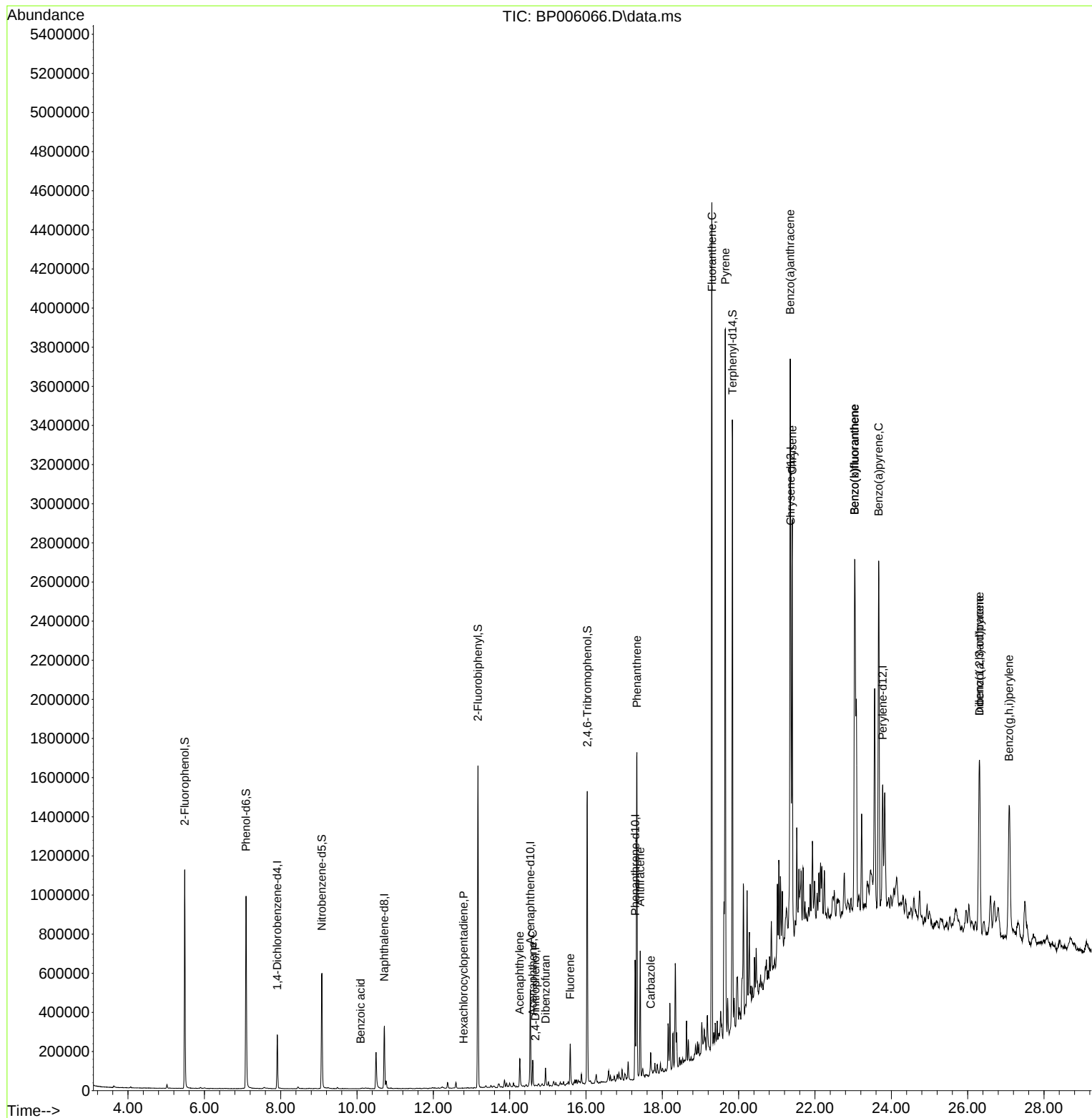
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.910	152	74879	20.00	ng	-0.01
21) Naphthalene-d8	10.716	136	278848	20.00	ng	0.00
39) Acenaphthene-d10	14.539	164	169287	20.00	ng	-0.01
64) Phenanthrene-d10	17.286	188	363148	20.00	ng	0.00
76) Chrysene-d12	21.363	240	422449	20.00	ng	# 0.00
86) Perylene-d12	23.774	264	496259	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	504886	108.20	ng	0.00
7) Phenol-d6	7.093	99	597941	98.86	ng	0.00
23) Nitrobenzene-d5	9.075	82	371863	65.38	ng	-0.01
42) 2,4,6-Tribromophenol	16.033	330	316320	108.88	ng	0.00
45) 2-Fluorobiphenyl	13.169	172	841282	65.26	ng	0.00
79) Terphenyl-d14	19.839	244	1466418	65.00	ng	0.00
Target Compounds						
						Qvalue
32) Benzoic acid	10.093	122	167	6.37	ng	# 79
41) Hexachlorocyclopentadiene	12.792	237	20	5.51	ng	83
49) Acenaphthylene	14.263	152	123411	7.22	ng	99
52) Acenaphthene	14.604	154	47163	4.54	ng	99
54) 2,4-Dinitrophenol	14.669	184	23	4.86	ng	# 1
55) Dibenzofuran	14.939	168	51720	3.03	ng	# 98
58) Fluorene	15.586	166	94979	7.14	ng	98
71) Phenanthrene	17.333	178	1039224	47.65	ng	99
72) Anthracene	17.422	178	375974	17.52	ng	100
73) Carbazole	17.698	167	72332	3.51	ng	99
75) Fluoranthene	19.298	202	2583375	97.54	ng	98
78) Pyrene	19.651	202	2264418	76.78	ng	99
81) Benzo(a)anthracene	21.351	228	1486078	48.73	ng	98
83) Chrysene	21.404	228	1168985	39.58	ng	97
87) Indeno(1,2,3-cd)pyrene	26.309	276	1002890	23.63	ng	97
88) Benzo(b)fluoranthene	23.039	252	1763804	51.89	ng	97
89) Benzo(k)fluoranthene	23.039	252	1763804	53.52	ng	# 97
90) Benzo(a)pyrene	23.668	252	1395413	43.67	ng	97
91) Dibenzo(a,h)anthracene	26.309	278	262730	7.19	ng	# 82
92) Benzo(g,h,i)perylene	27.086	276	950625	26.35	ng	96

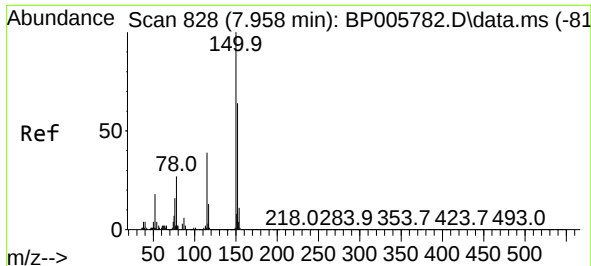
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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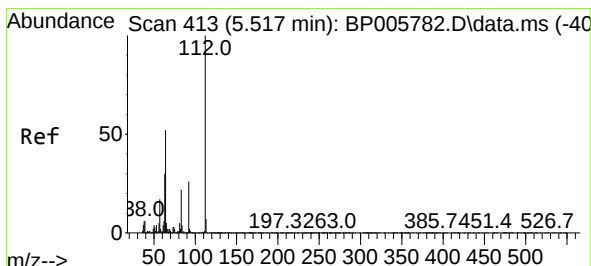
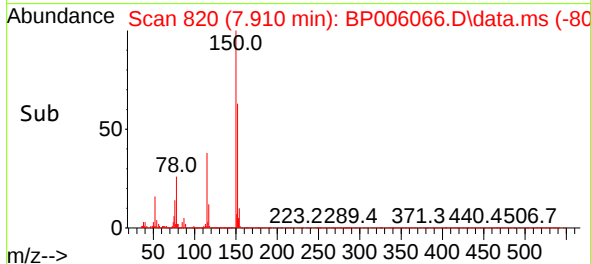
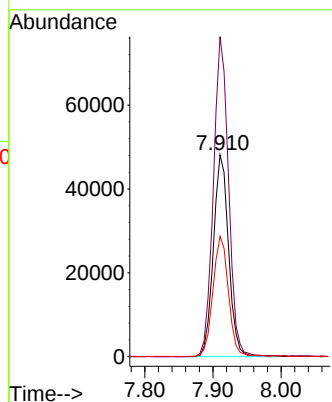
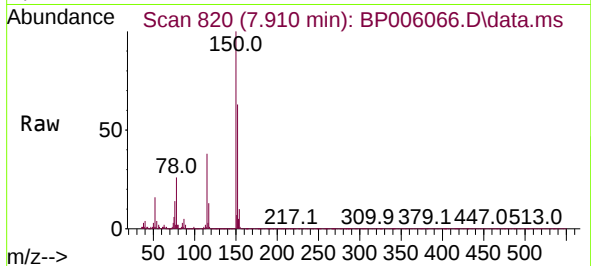




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.910 min Scan# 820
Delta R.T. -0.012 min
Lab File: BP006066.D
Acq: 24 Jun 2021 22:35

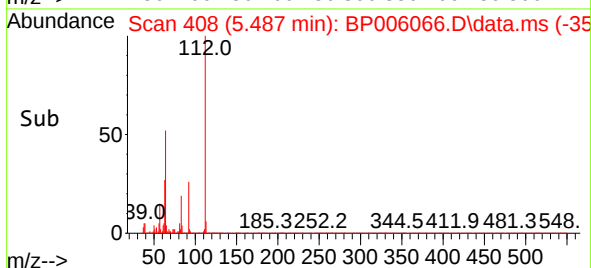
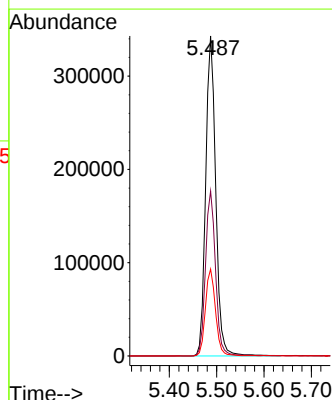
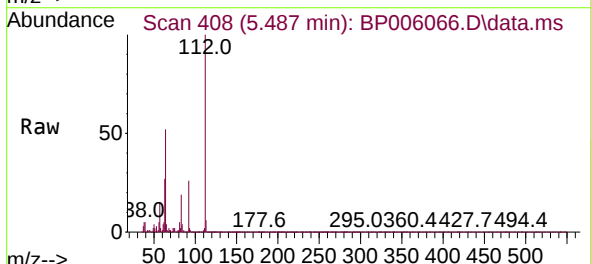
Instrument :
BNA_P
ClientSampleId :
CL-02-062321

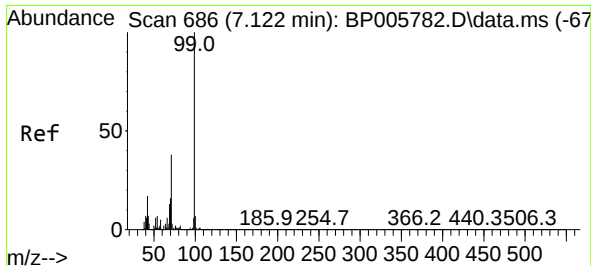
Tgt Ion:152 Resp: 74879
Ion Ratio Lower Upper
152 100
150 158.6 125.6 188.4
115 59.7 48.5 72.7



#5
2-Fluorophenol
Concen: 108.20 ng
RT: 5.487 min Scan# 408
Delta R.T. -0.000 min
Lab File: BP006066.D
Acq: 24 Jun 2021 22:35

Tgt Ion:112 Resp: 504886
Ion Ratio Lower Upper
112 100
64 51.6 41.4 62.2
63 27.2 23.8 35.8

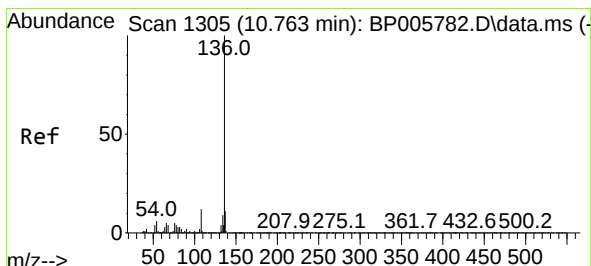
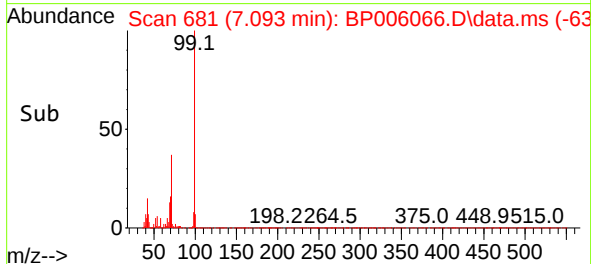
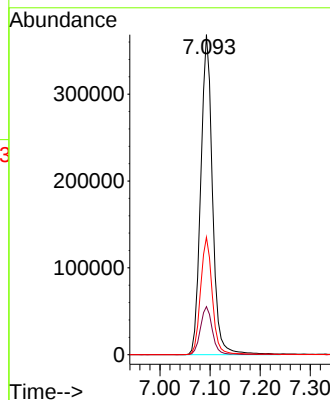
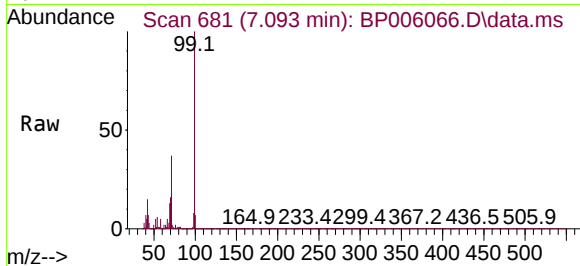




#7
Phenol-d6
Concen: 98.86 ng
RT: 7.093 min Scan# 681
Delta R.T. -0.000 min
Lab File: BP006066.D
Acq: 24 Jun 2021 22:35

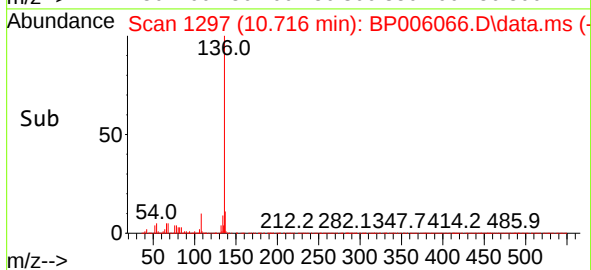
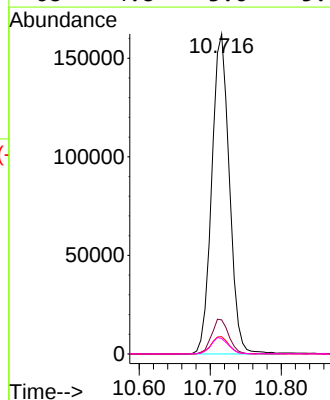
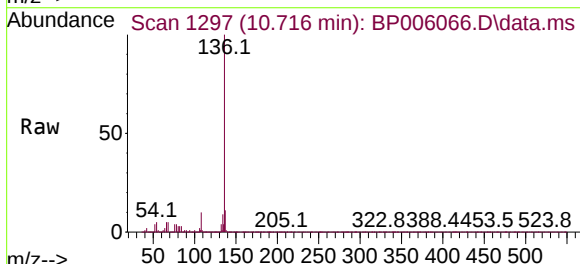
Instrument :
BNA_P
ClientSampleId :
CL-02-062321

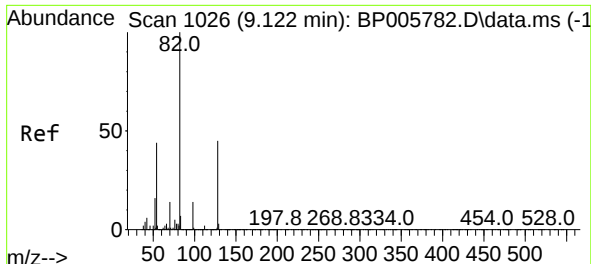
Tgt Ion:	99	Resp:	597941
Ion	Ratio	Lower	Upper
99	100		
42	15.0	13.4	20.0
71	36.7	30.6	46.0



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.716 min Scan# 1297
Delta R.T. -0.006 min
Lab File: BP006066.D
Acq: 24 Jun 2021 22:35

Tgt Ion:	136	Resp:	278848
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.6	12.8
54	5.4	4.6	6.8
68	4.8	3.6	5.4

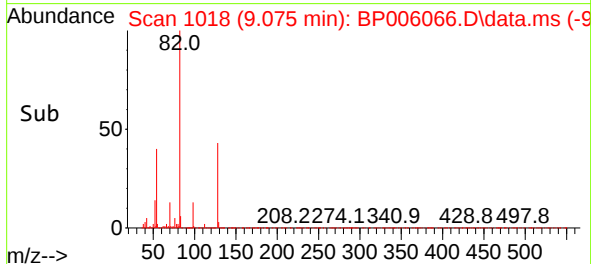
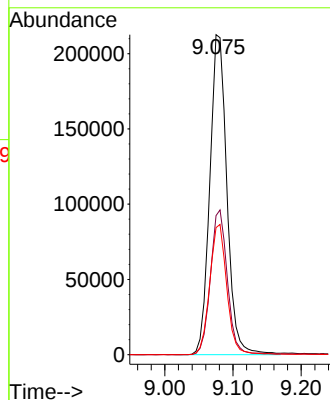
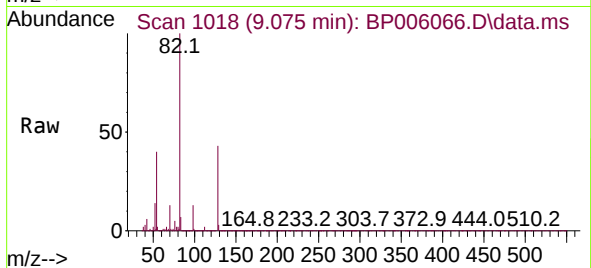




#23
Nitrobenzene-d5
Concen: 65.38 ng
RT: 9.075 min Scan# 1018
Delta R.T. -0.012 min
Lab File: BP006066.D
Acq: 24 Jun 2021 22:35

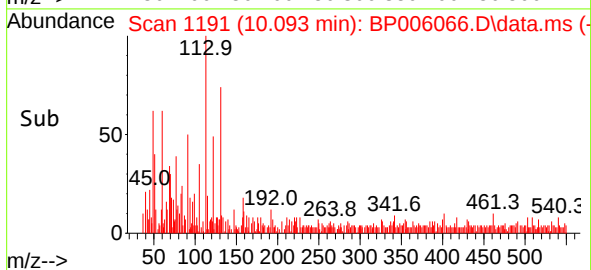
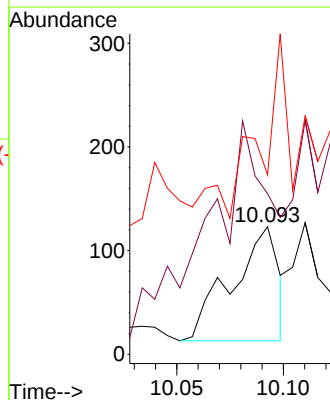
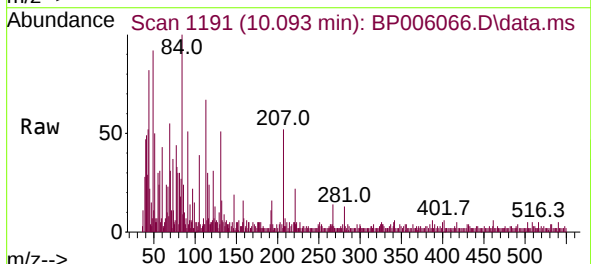
Instrument :
BNA_P
ClientSampleId :
CL-02-062321

Tgt Ion: 82 Resp: 371863
Ion Ratio Lower Upper
82 100
128 43.4 35.7 53.5
54 39.7 35.0 52.4



#32
Benzoic acid
Concen: 6.37 ng
RT: 10.093 min Scan# 1191
Delta R.T. 0.017 min
Lab File: BP006066.D
Acq: 24 Jun 2021 22:35

Tgt Ion: 122 Resp: 167
Ion Ratio Lower Upper
122 100
105 126.0 103.2 143.2
77 140.7 76.2 116.2#

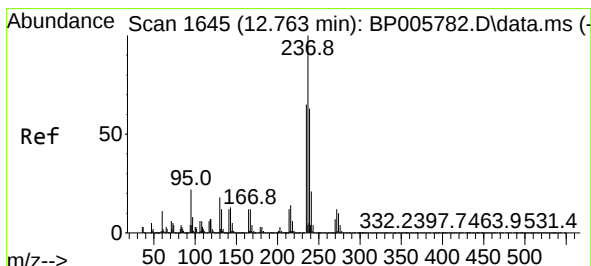
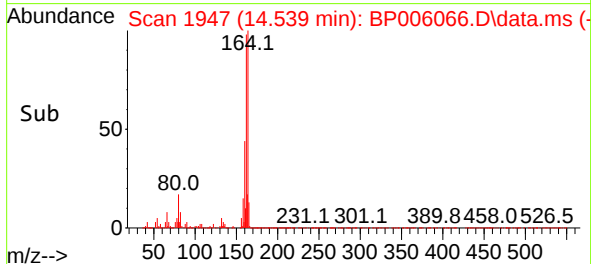
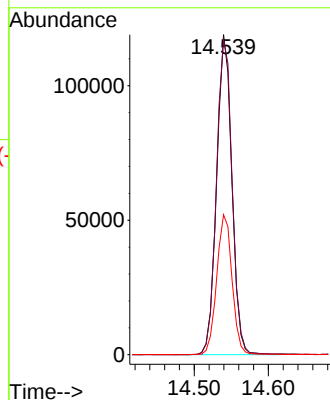
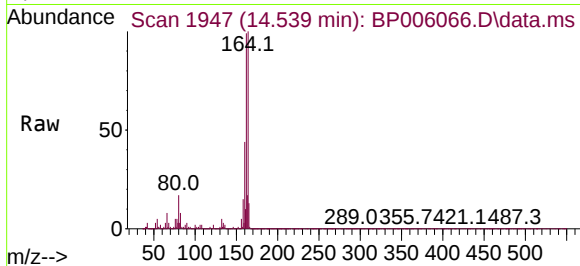




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.539 min Scan# 1947
Delta R.T. -0.012 min
Lab File: BP006066.D
Acq: 24 Jun 2021 22:35

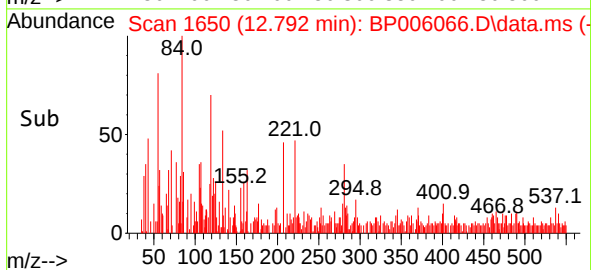
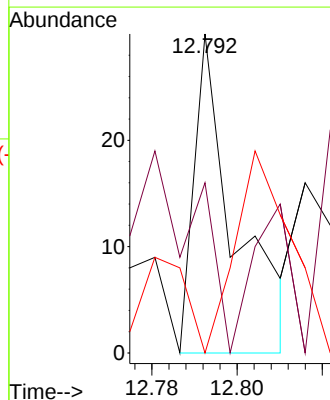
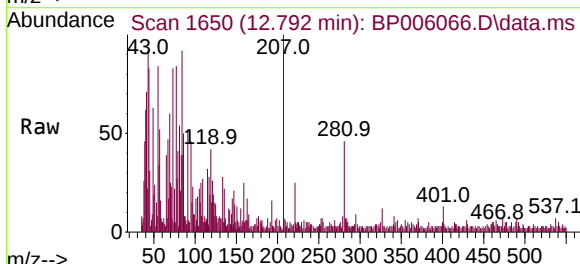
Instrument :
BNA_P
ClientSampleId :
CL-02-062321

Tgt Ion:	164	Resp:	169287
Ion Ratio	Lower	Upper	
164	100		
162	98.5	80.2	120.2
160	43.8	34.5	51.7



#41
Hexachlorocyclopentadiene
Concen: 5.51 ng
RT: 12.792 min Scan# 1650
Delta R.T. 0.064 min
Lab File: BP006066.D
Acq: 24 Jun 2021 22:35

Tgt Ion:	237	Resp:	20
Ion Ratio	Lower	Upper	
237	100		
235	53.3	44.5	84.5
272	0.0	0.0	32.5

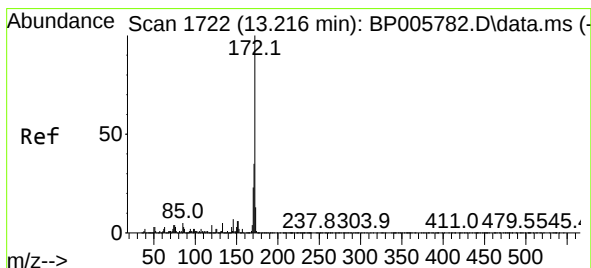
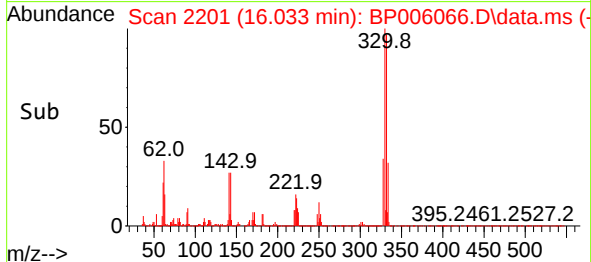
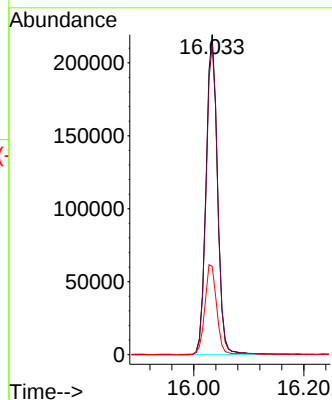
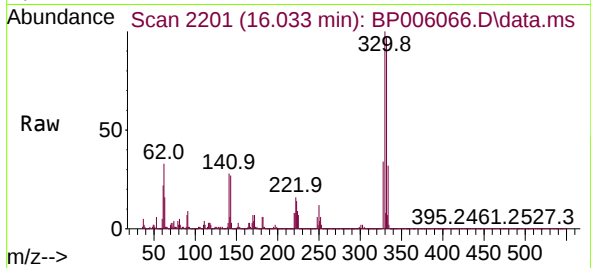




#42
2,4,6-Tribromophenol
Concen: 108.88 ng
RT: 16.033 min Scan# 2201
Delta R.T. -0.006 min
Lab File: BP006066.D
Acq: 24 Jun 2021 22:35

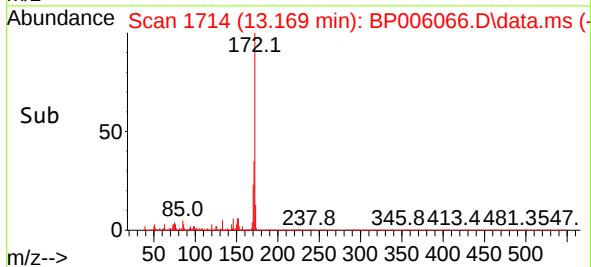
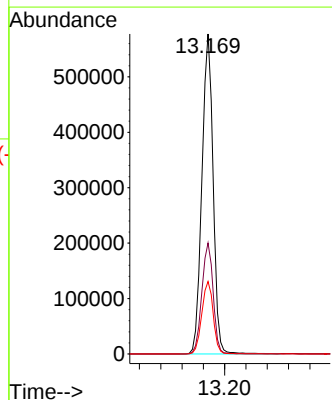
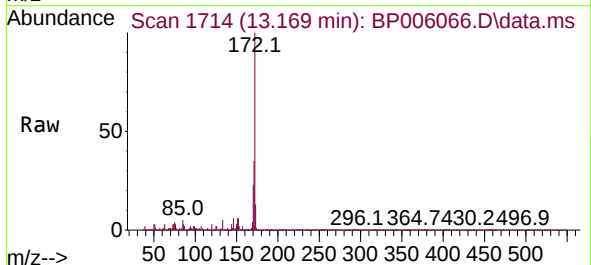
Instrument :
BNA_P
ClientSampleId :
CL-02-062321

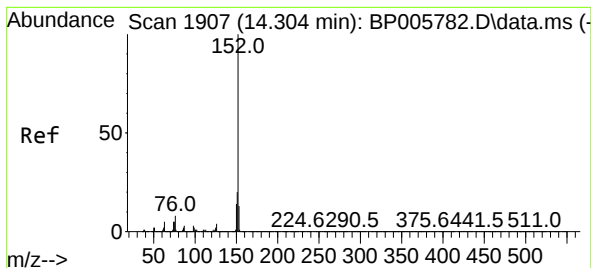
Tgt Ion:330 Resp: 316320
Ion Ratio Lower Upper
330 100
332 97.5 77.8 116.8
141 28.6 25.4 38.2



#45
2-Fluorobiphenyl
Concen: 65.26 ng
RT: 13.169 min Scan# 1714
Delta R.T. -0.006 min
Lab File: BP006066.D
Acq: 24 Jun 2021 22:35

Tgt Ion:172 Resp: 841282
Ion Ratio Lower Upper
172 100
171 34.7 27.9 41.9
170 22.6 18.6 27.8





#49

Acenaphthylene

Concen: 7.22 ng

RT: 14.263 min Scan# 1900

Delta R.T. -0.012 min

Lab File: BP006066.D

Acq: 24 Jun 2021 22:35

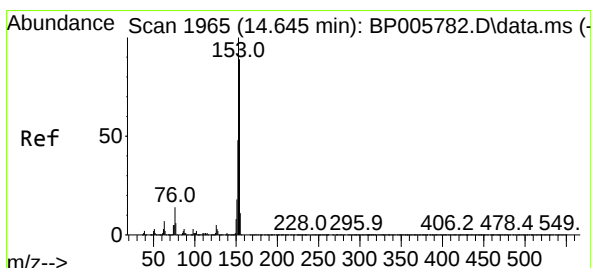
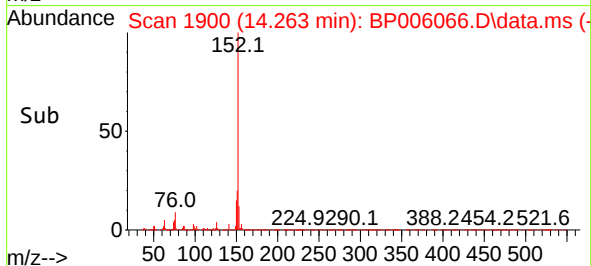
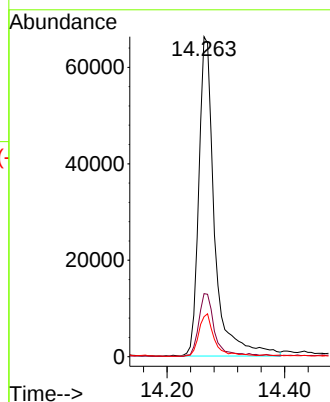
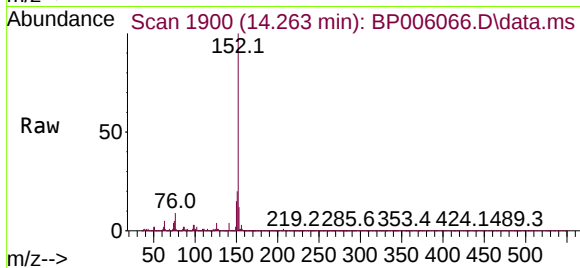
Tgt Ion:152	Resp: 123411
Ion Ratio	Lower Upper
152	100
151	19.7 16.2 24.2
153	12.5 10.6 16.0

Instrument :

BNA_P

ClientSampleId :

CL-02-062321



#52

Acenaphthene

Concen: 4.54 ng

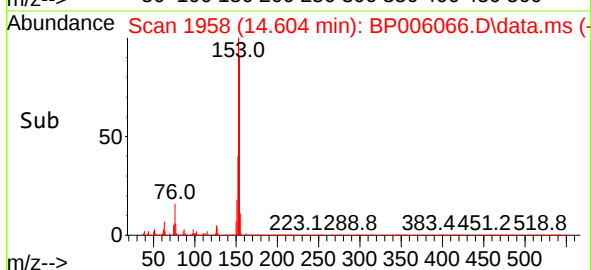
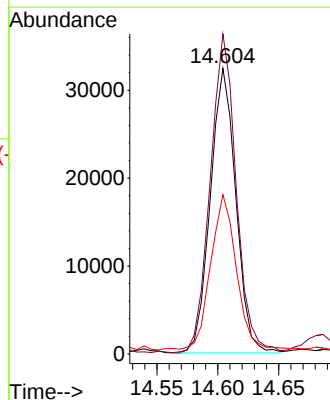
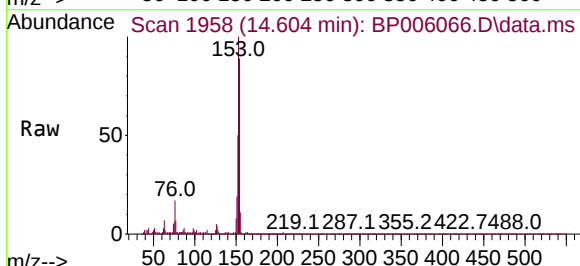
RT: 14.604 min Scan# 1958

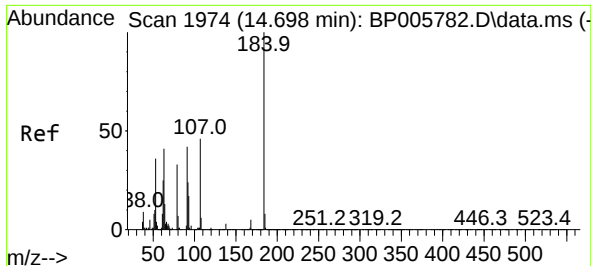
Delta R.T. -0.012 min

Lab File: BP006066.D

Acq: 24 Jun 2021 22:35

Tgt Ion:154	Resp: 47163
Ion Ratio	Lower Upper
154	100
153	112.0 89.4 134.2
152	55.8 43.0 64.4

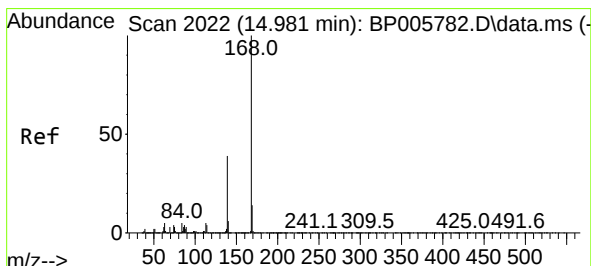
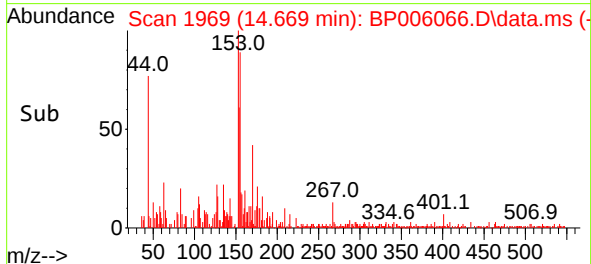
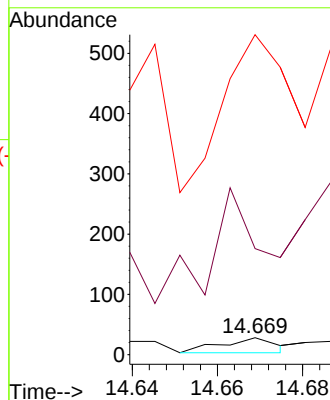
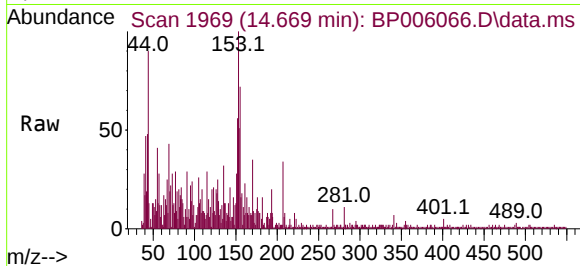




#54
2,4-Dinitrophenol
Concen: 4.86 ng
RT: 14.669 min Scan# 1969
Delta R.T. -0.006 min
Lab File: BP006066.D
Acq: 24 Jun 2021 22:35

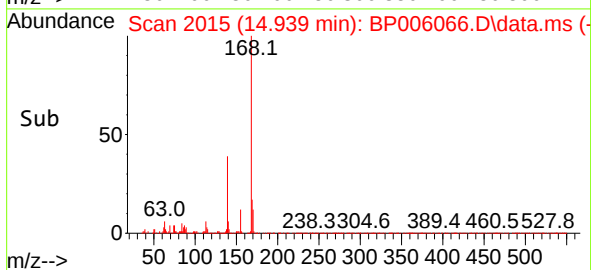
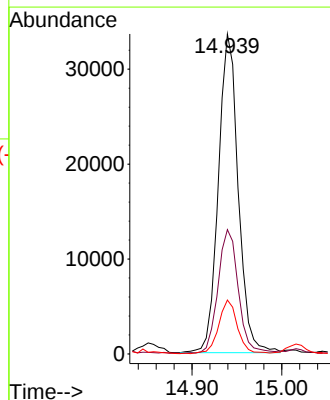
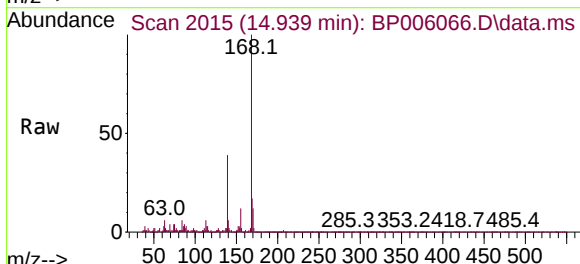
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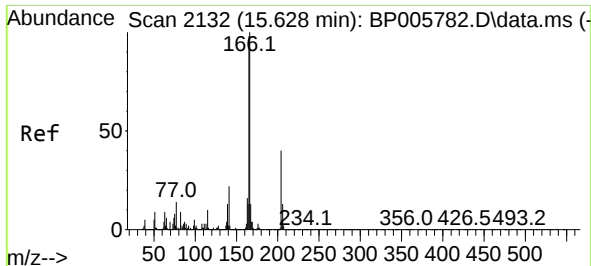
Tgt Ion:184 Resp: 23
Ion Ratio Lower Upper
184 100
63 628.6 47.0 70.6#
154 1896.4 52.3 78.5#



#55
Dibenzofuran
Concen: 3.03 ng
RT: 14.939 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BP006066.D
Acq: 24 Jun 2021 22:35

Tgt Ion:168 Resp: 51720
Ion Ratio Lower Upper
168 100
139 38.9 31.0 46.6
169 16.9 10.8 16.2#

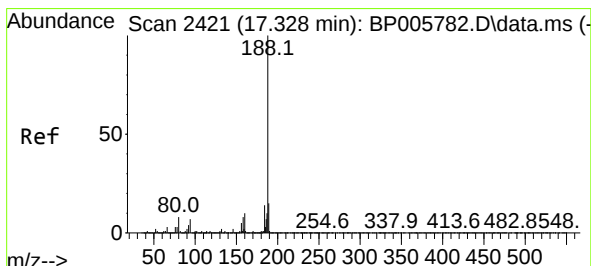
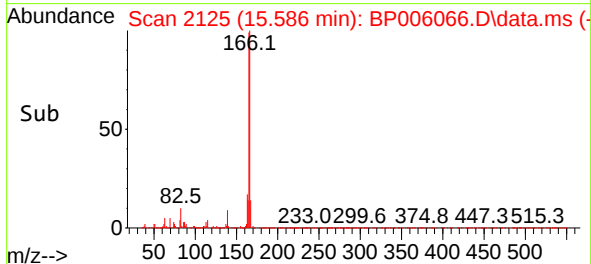
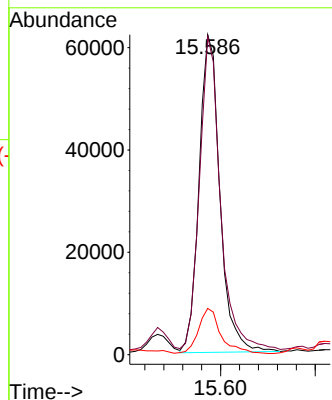
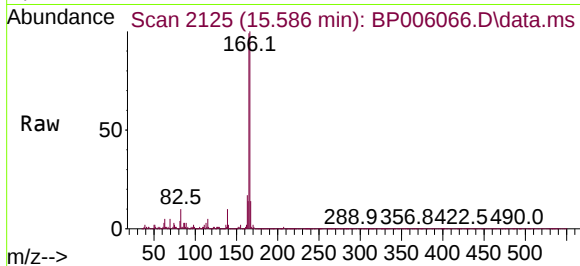




#58
Fluorene
Concen: 7.14 ng
RT: 15.586 min Scan# 2125
Delta R.T. -0.012 min
Lab File: BP006066.D
Acq: 24 Jun 2021 22:35

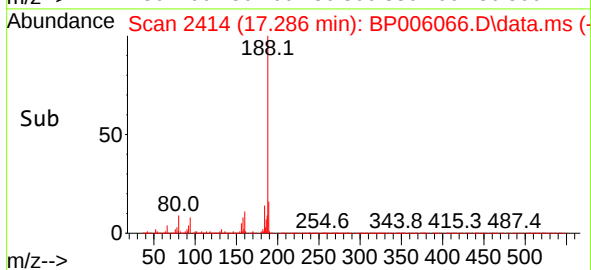
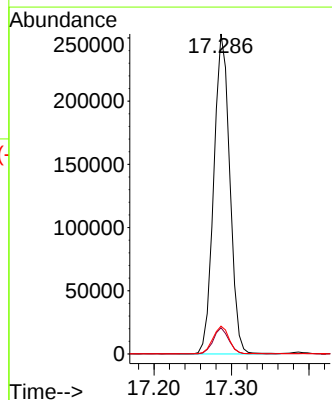
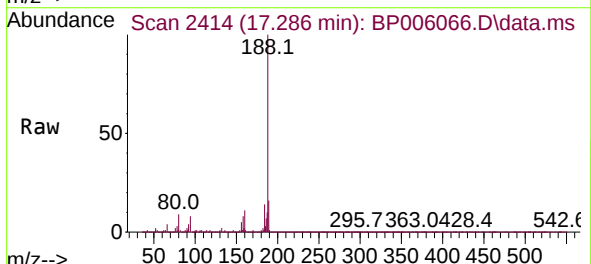
Instrument :
BNA_P
ClientSampleId :
CL-02-062321

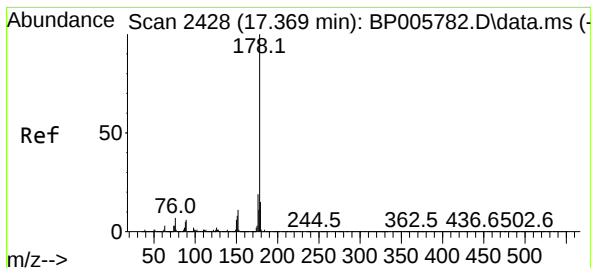
Tgt Ion:166 Resp: 94979
Ion Ratio Lower Upper
166 100
165 99.3 78.0 117.0
167 14.4 10.5 15.7



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.286 min Scan# 2414
Delta R.T. -0.006 min
Lab File: BP006066.D
Acq: 24 Jun 2021 22:35

Tgt Ion:188 Resp: 363148
Ion Ratio Lower Upper
188 100
94 8.2 5.6 8.4
80 8.7 6.3 9.5





#71

Phenanthrene

Concen: 47.65 ng

RT: 17.333 min Scan# 2422

Delta R.T. -0.006 min

Lab File: BP006066.D

Acq: 24 Jun 2021 22:35

Instrument :

BNA_P

ClientSampleId :

CL-02-062321

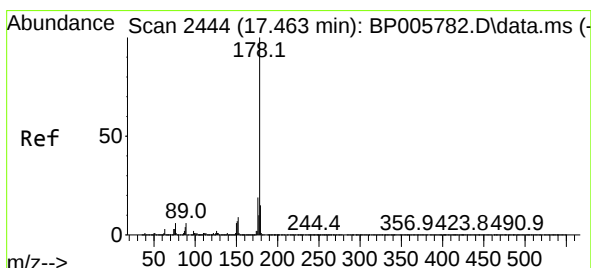
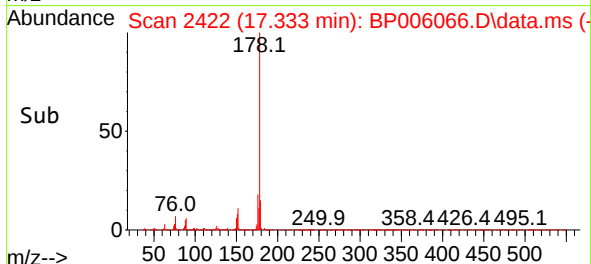
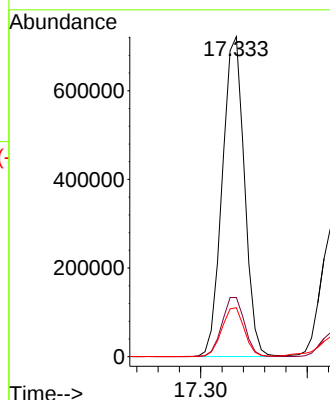
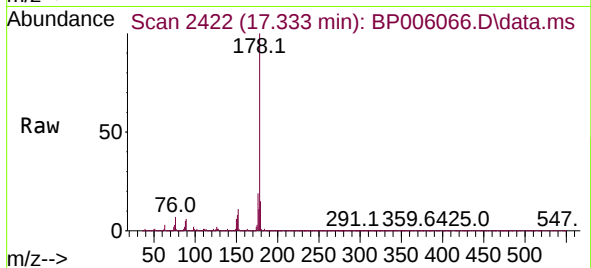
Tgt Ion:178 Resp: 1039224

Ion Ratio Lower Upper

178 100

176 18.5 15.1 22.7

179 15.3 12.4 18.6



#72

Anthracene

Concen: 17.52 ng

RT: 17.422 min Scan# 2437

Delta R.T. -0.012 min

Lab File: BP006066.D

Acq: 24 Jun 2021 22:35

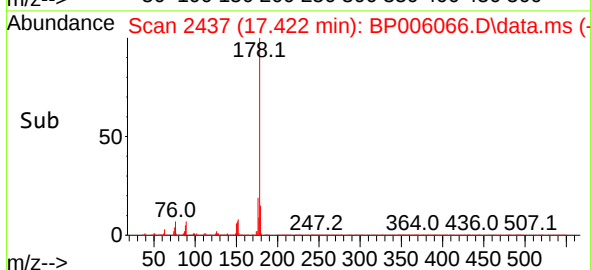
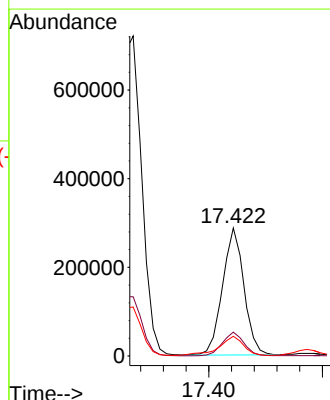
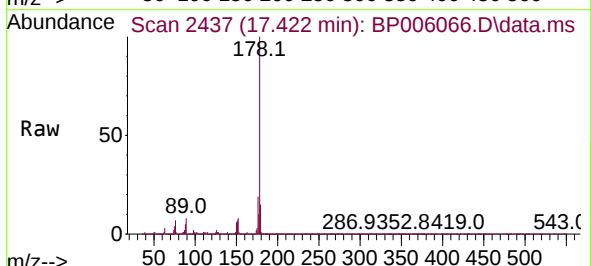
Tgt Ion:178 Resp: 375974

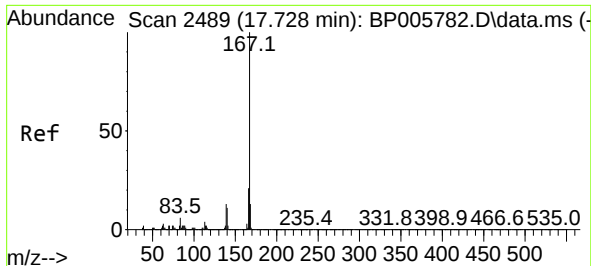
Ion Ratio Lower Upper

178 100

176 18.7 14.9 22.3

179 15.4 12.2 18.2

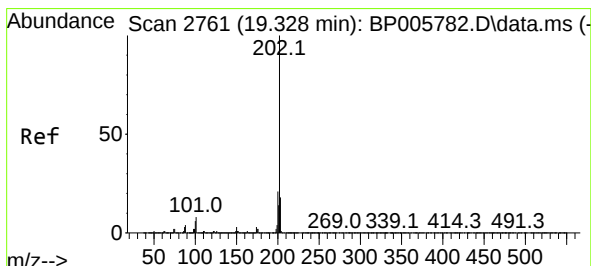
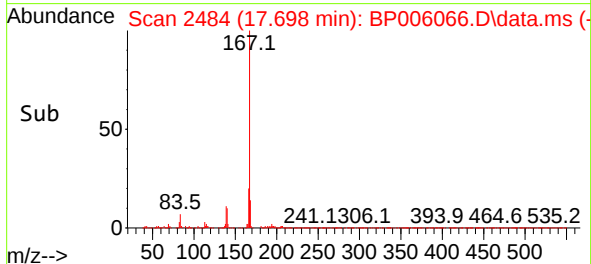
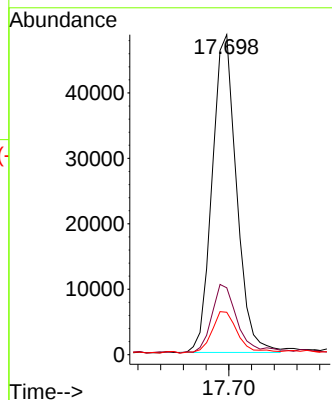
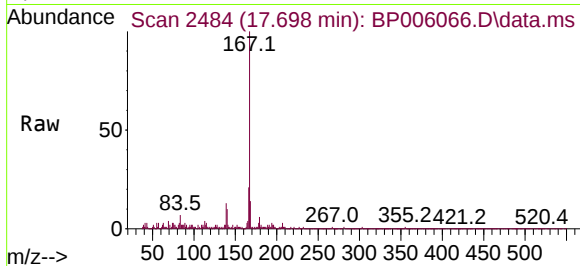




#73
 Carbazole
 Concen: 3.51 ng
 RT: 17.698 min Scan# 2484
 Delta R.T. -0.006 min
 Lab File: BP006066.D
 Acq: 24 Jun 2021 22:35

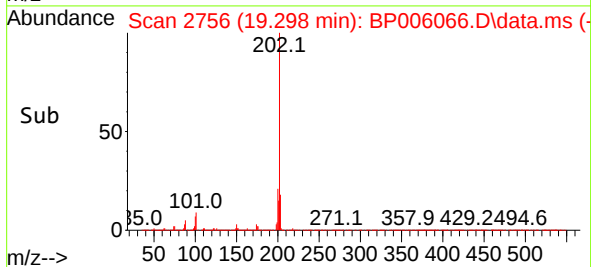
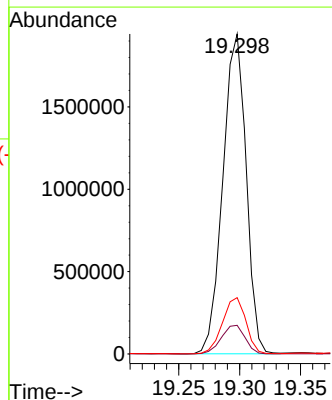
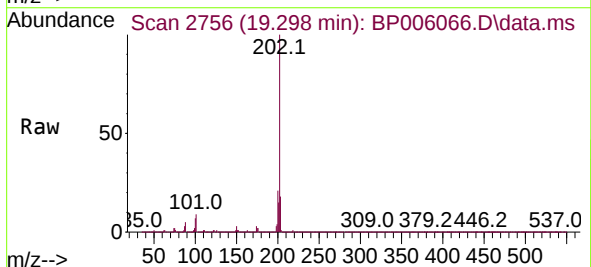
Instrument :
 BNA_P
 ClientSampleId :
 CL-02-062321

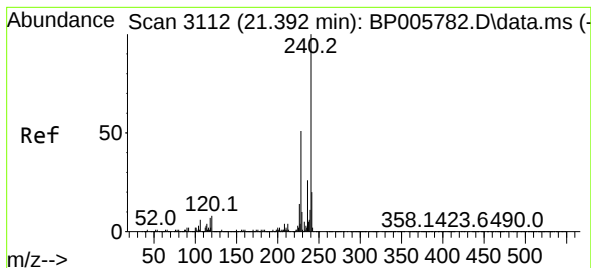
Tgt Ion:167 Resp: 72332
 Ion Ratio Lower Upper
 167 100
 166 20.9 17.1 25.7
 139 13.3 10.7 16.1



#75
 Fluoranthene
 Concen: 97.54 ng
 RT: 19.298 min Scan# 2756
 Delta R.T. -0.000 min
 Lab File: BP006066.D
 Acq: 24 Jun 2021 22:35

Tgt Ion:202 Resp: 2583375
 Ion Ratio Lower Upper
 202 100
 101 9.0 0.0 27.6
 203 17.6 0.0 37.8





#76

Chrysene-d12

Concen: 20.00 ng

RT: 21.363 min Scan# 3107

Delta R.T. -0.006 min

Lab File: BP006066.D

Acq: 24 Jun 2021 22:35

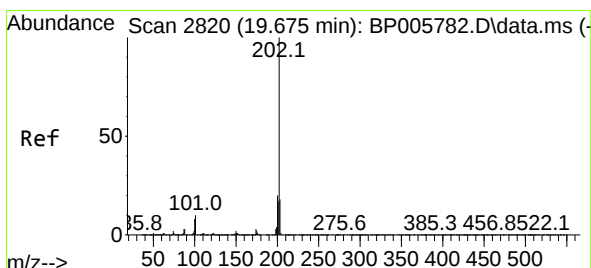
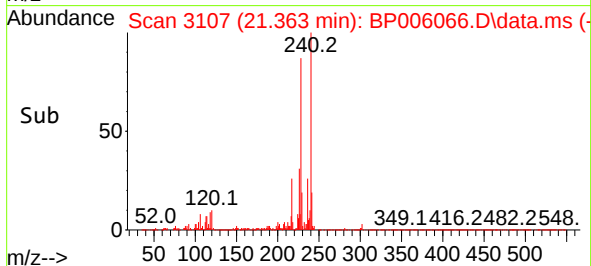
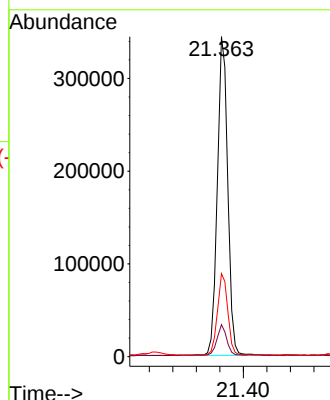
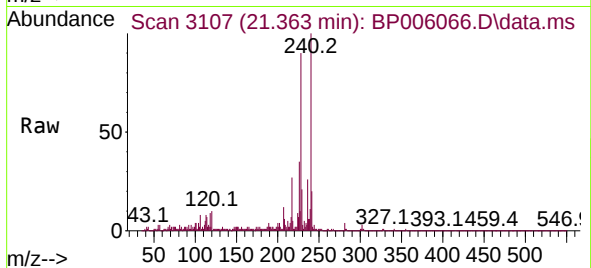
Instrument :

BNA_P

ClientSampleId :

CL-02-062321

Tgt Ion:240 Resp: 422449
 Ion Ratio Lower Upper
 240 100
 120 10.0 6.5 9.7#
 236 26.0 20.6 31.0



#78

Pyrene

Concen: 76.78 ng

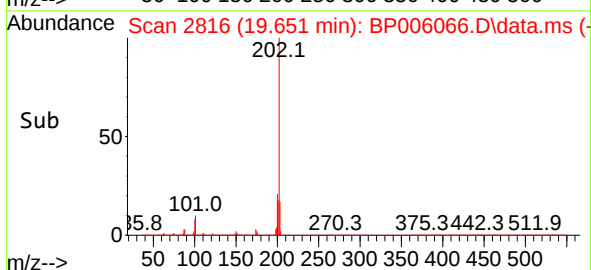
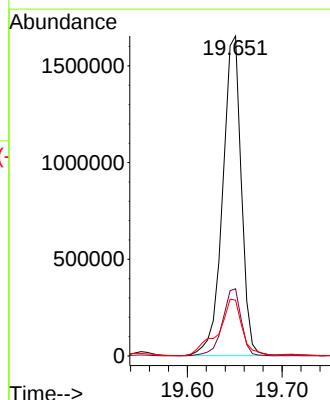
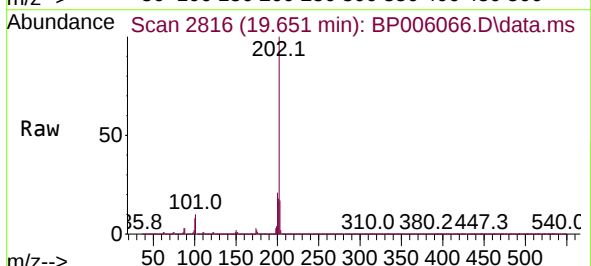
RT: 19.651 min Scan# 2816

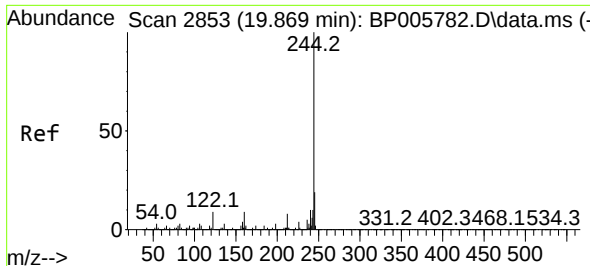
Delta R.T. -0.000 min

Lab File: BP006066.D

Acq: 24 Jun 2021 22:35

Tgt Ion:202 Resp: 2264418
 Ion Ratio Lower Upper
 202 100
 200 21.0 16.3 24.5
 203 17.4 14.2 21.2



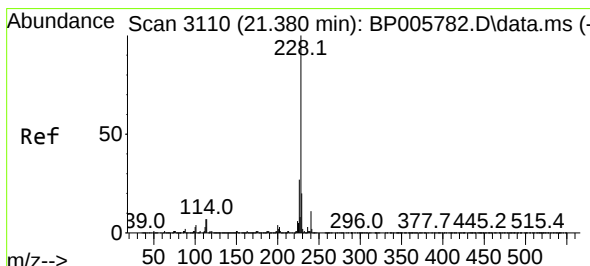
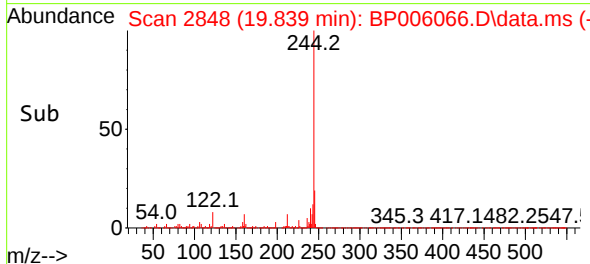
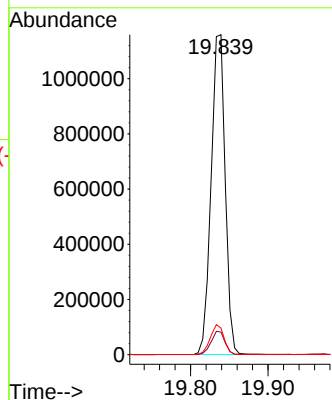
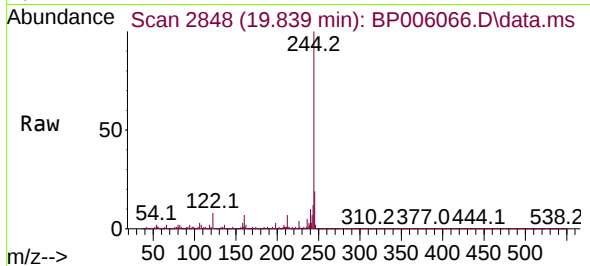


#79
 Terphenyl-d14
 Concen: 65.00 ng
 RT: 19.839 min Scan# 2848
 Delta R.T. -0.006 min
 Lab File: BP006066.D
 Acq: 24 Jun 2021 22:35

Instrument :
 BNA_P
 ClientSampleId :
 CL-02-062321

Tgt Ion:244 Resp: 1466418

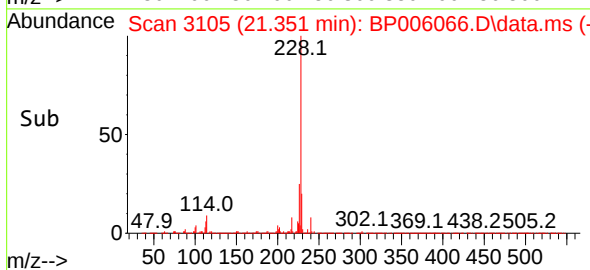
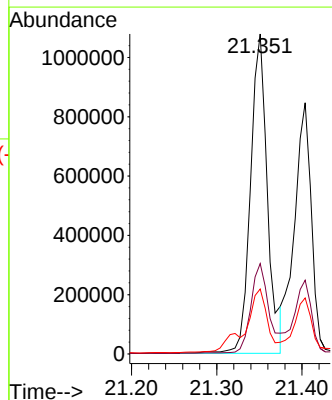
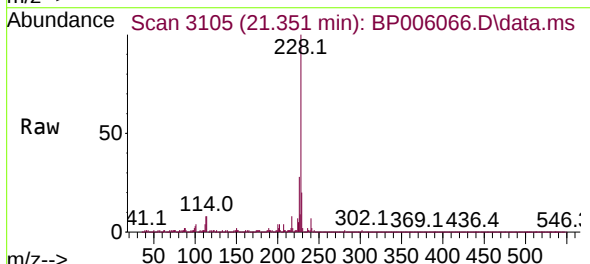
Ion	Ratio	Lower	Upper
244	100		
212	7.1	6.0	9.0
122	8.3	7.1	10.7

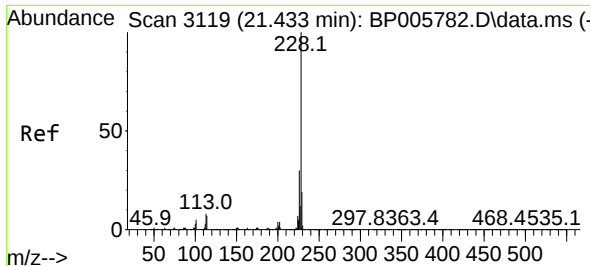


#81
 Benzo(a)anthracene
 Concen: 48.73 ng
 RT: 21.351 min Scan# 3105
 Delta R.T. -0.000 min
 Lab File: BP006066.D
 Acq: 24 Jun 2021 22:35

Tgt Ion:228 Resp: 1486078

Ion	Ratio	Lower	Upper
228	100		
226	28.3	21.6	32.4
229	20.3	15.8	23.6

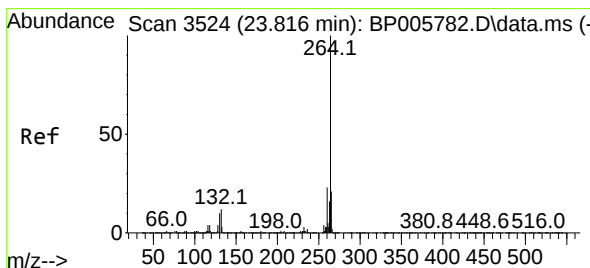
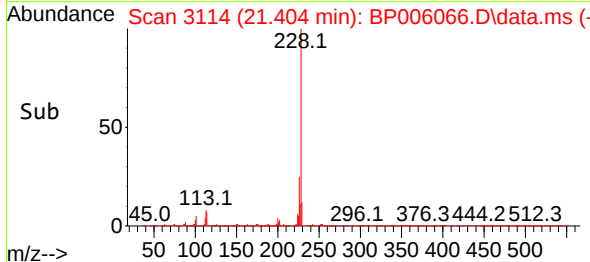
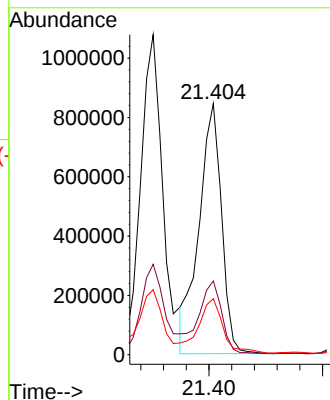
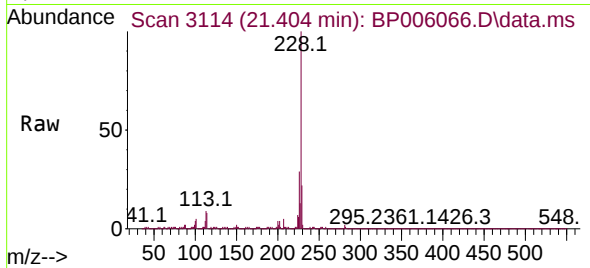




#83
Chrysene
Concen: 39.58 ng
RT: 21.404 min Scan# 3114
Delta R.T. -0.000 min
Lab File: BP006066.D
Acq: 24 Jun 2021 22:35

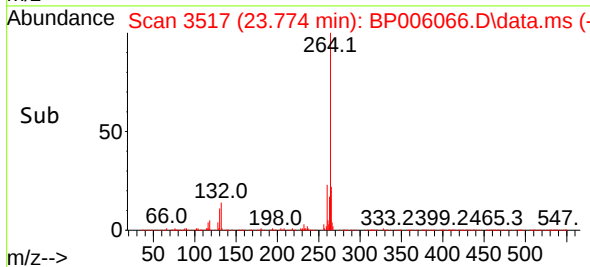
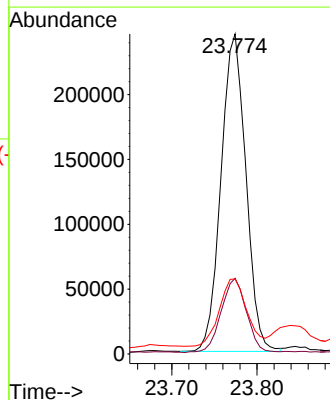
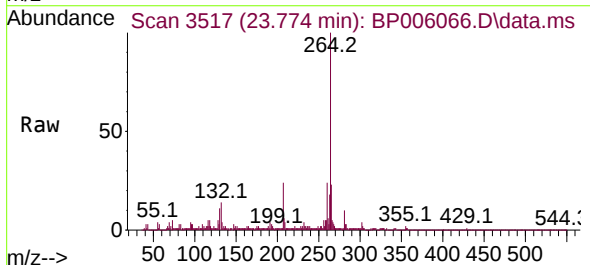
Instrument :
BNA_P
ClientSampleId :
CL-02-062321

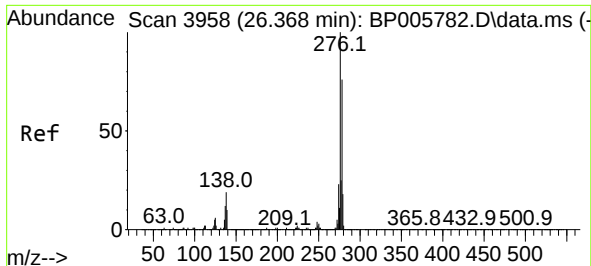
Tgt Ion:228 Resp: 1168985
Ion Ratio Lower Upper
228 100
226 29.4 23.8 35.6
229 22.3 15.4 23.2



#86
Perylene-d12
Concen: 20.00 ng
RT: 23.774 min Scan# 3517
Delta R.T. -0.000 min
Lab File: BP006066.D
Acq: 24 Jun 2021 22:35

Tgt Ion:264 Resp: 496259
Ion Ratio Lower Upper
264 100
260 23.7 18.6 28.0
265 23.5 17.6 26.4

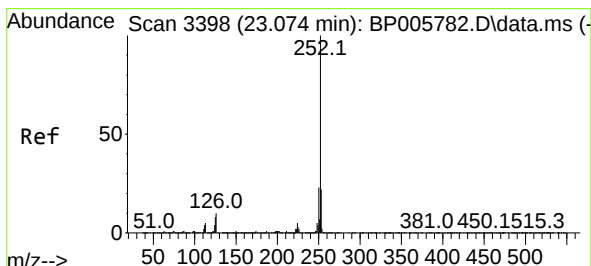
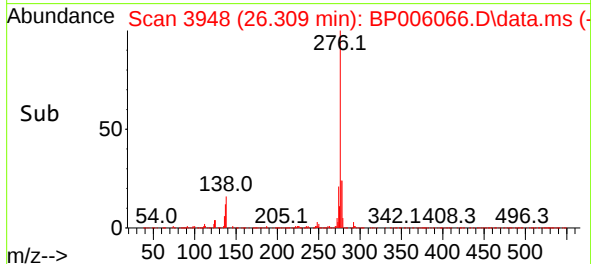
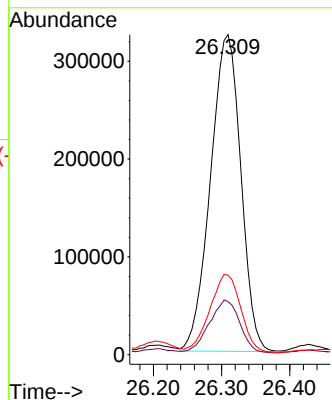
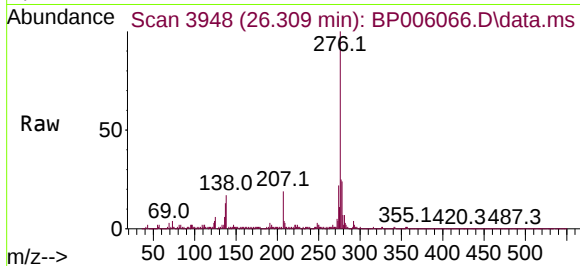




#87
Indeno(1,2,3-cd)pyrene
Concen: 23.63 ng
RT: 26.309 min Scan# 3948
Delta R.T. -0.000 min
Lab File: BP006066.D
Acq: 24 Jun 2021 22:35

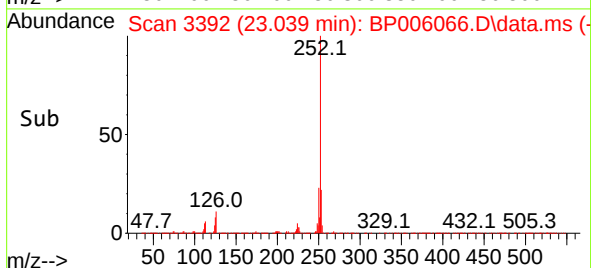
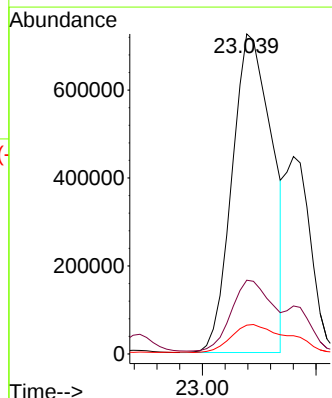
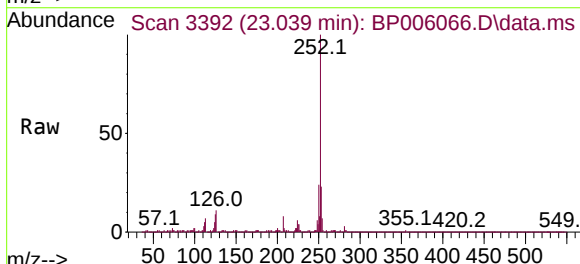
Instrument :
BNA_P
ClientSampleId :
CL-02-062321

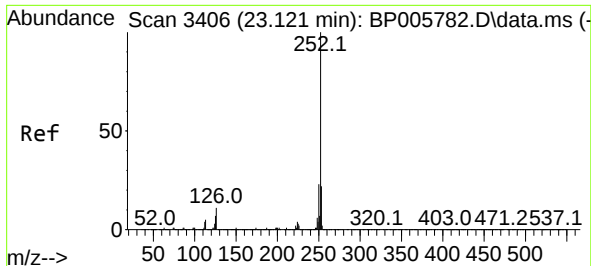
Tgt Ion:276 Resp: 1002890
Ion Ratio Lower Upper
276 100
138 16.8 15.3 22.9
277 25.0 20.4 30.6



#88
Benzo(b)fluoranthene
Concen: 51.89 ng
RT: 23.039 min Scan# 3392
Delta R.T. -0.000 min
Lab File: BP006066.D
Acq: 24 Jun 2021 22:35

Tgt Ion:252 Resp: 1763804
Ion Ratio Lower Upper
252 100
253 23.0 17.5 26.3
125 9.0 6.2 9.4

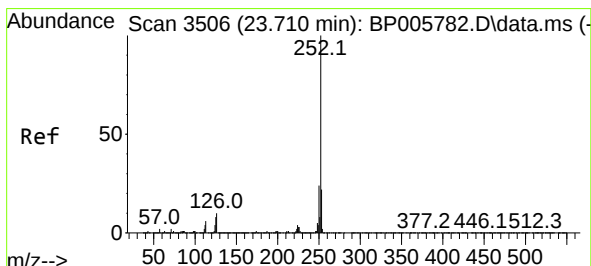
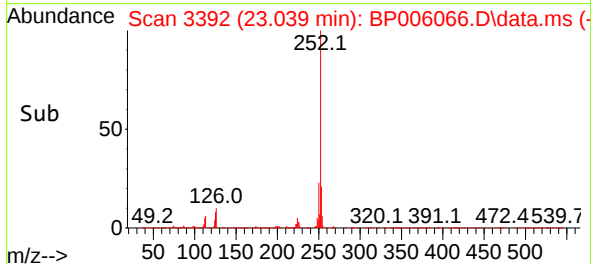
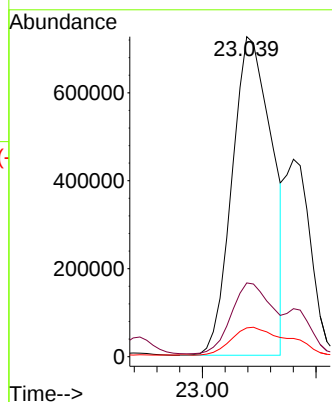
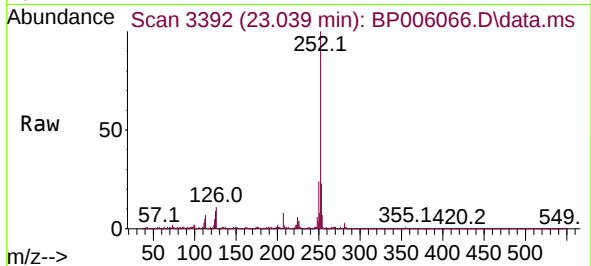




#89
Benzo(k)fluoranthene
Concen: 53.52 ng
RT: 23.039 min Scan# 3392
Delta R.T. -0.047 min
Lab File: BP006066.D
Acq: 24 Jun 2021 22:35

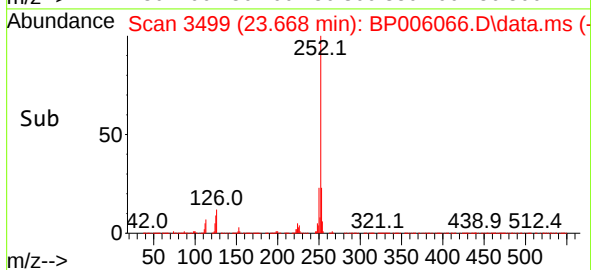
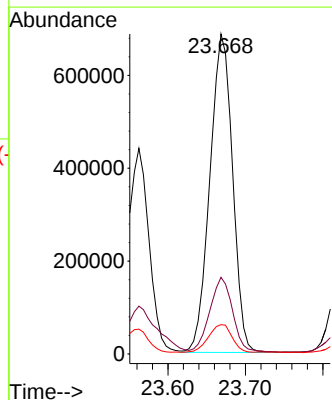
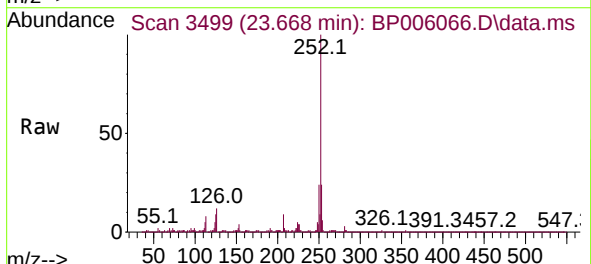
Instrument :
BNA_P
ClientSampleId :
CL-02-062321

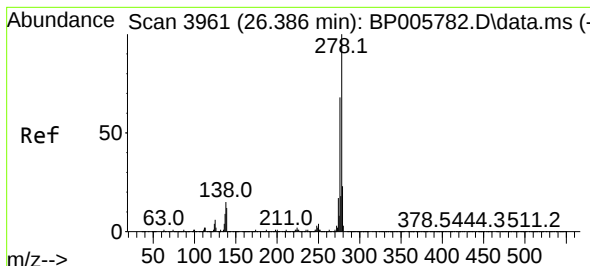
Tgt Ion:252 Resp: 1763804
Ion Ratio Lower Upper
252 100
253 23.0 17.6 26.4
125 9.0 6.0 9.0#



#90
Benzo(a)pyrene
Concen: 43.67 ng
RT: 23.668 min Scan# 3499
Delta R.T. -0.000 min
Lab File: BP006066.D
Acq: 24 Jun 2021 22:35

Tgt Ion:252 Resp: 1395413
Ion Ratio Lower Upper
252 100
253 23.9 17.9 26.9
125 9.1 6.5 9.7

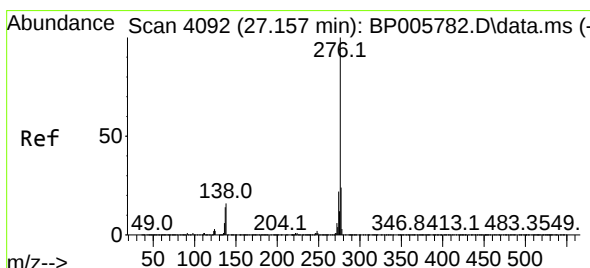
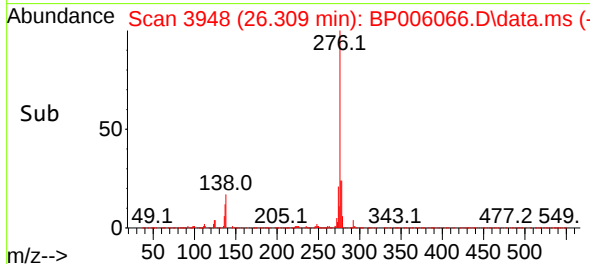
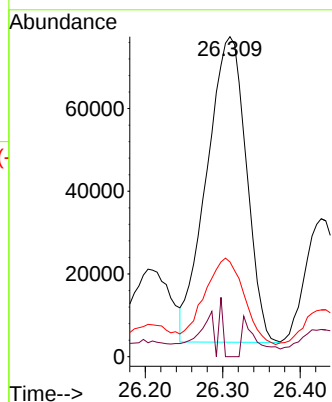
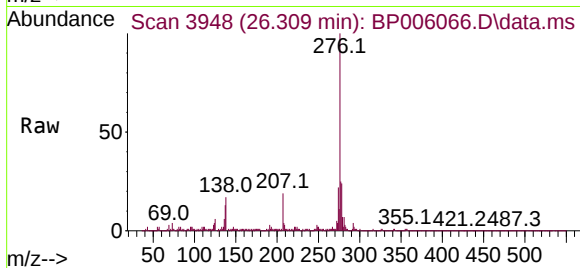




#91
Dibenzo(a,h)anthracene
Concen: 7.19 ng
RT: 26.309 min Scan# 3948
Delta R.T. -0.012 min
Lab File: BP006066.D
Acq: 24 Jun 2021 22:35

Instrument :
BNA_P
ClientSampleId :
CL-02-062321

Tgt Ion:278 Resp: 262730
Ion Ratio Lower Upper
278 100
139 0.0 9.3 13.9#
279 29.6 18.8 28.2#



#92
Benzo(g,h,i)perylene
Concen: 26.35 ng
RT: 27.086 min Scan# 4080
Delta R.T. -0.000 min
Lab File: BP006066.D
Acq: 24 Jun 2021 22:35

Tgt Ion:276 Resp: 950625
Ion Ratio Lower Upper
276 100
277 24.8 18.9 28.3
138 17.9 12.6 18.8

