

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP100821\
 Data File : BP007396.D
 Acq On : 09 Oct 2021 03:48
 Operator : CG/JU
 Sample : M4077-15DL 50X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 EJ-2DL

Quant Time: Oct 09 06:21:56 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP100821.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 08 15:35:55 2021
 Response via : Initial Calibration

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

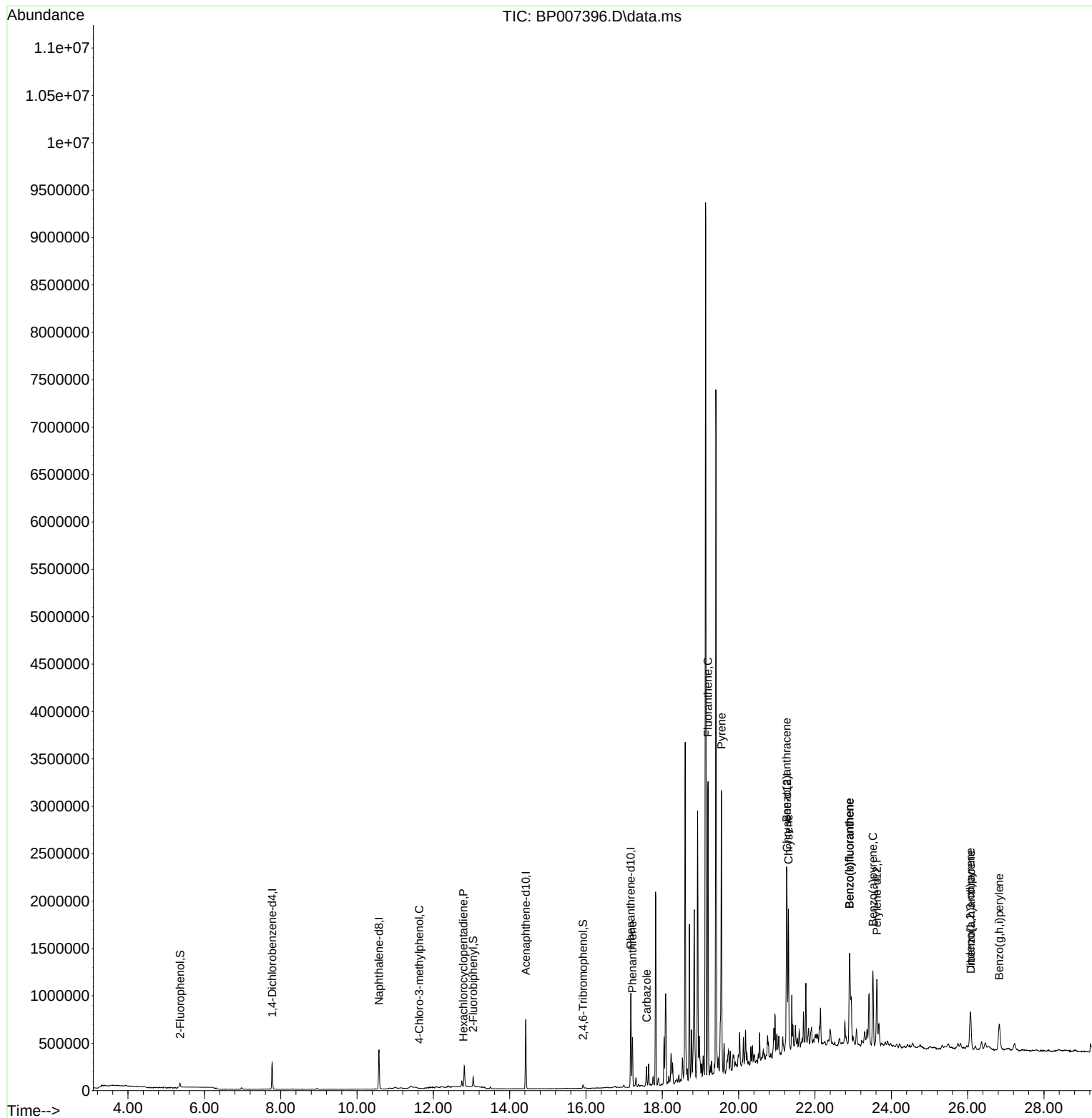
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.775	152	88886	20.000	ng	0.00
21) Naphthalene-d8	10.575	136	366735	20.000	ng	0.00
39) Acenaphthene-d10	14.422	164	263356	20.000	ng	0.00
64) Phenanthrene-d10	17.175	188	596426	20.000	ng	-0.01
76) Chrysene-d12	21.269	240	548563	20.000	ng	-0.01
86) Perylene-d12	23.622	264	571116	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.364	112	24831	4.603	ng	0.00
7) Phenol-d6	6.975	99	12964	1.790	ng	0.01
23) Nitrobenzene-d5	8.946	82	7631	1.225	ng	0.00
42) 2,4,6-Tribromophenol	15.922	330	9391	2.174	ng	0.00
45) 2-Fluorobiphenyl	13.046	172	53182	2.822	ng	0.00
79) Terphenyl-d14	19.739	244	51290	1.649	ng	-0.01
Target Compounds						
2) 1,4-Dioxane	3.223	88	62	Below Cal	#	51
36) 4-Chloro-3-methylphenol	11.634	107	18	2.320	ng	90
41) Hexachlorocyclopentadiene	12.787	237	22	6.061	ng	88
66) n-Nitrosodiphenylamine	15.704	169	226	Below Cal	#	53
68) Hexachlorobenzene	16.487	284	24	Below Cal	#	1
69) Atrazine	16.757	200	94	Below Cal		76
71) Phenanthrene	17.216	178	320979	10.191	ng	100
73) Carbazole	17.587	167	123700	3.814	ng	97
75) Fluoranthene	19.198	202	1947791	47.953	ng	99
78) Pyrene	19.551	202	1817781	48.121	ng	99
81) Benzo(a)anthracene	21.257	228	874851	24.687	ng	99
83) Chrysene	21.304	228	843600	25.291	ng	97
87) Indeno(1,2,3-cd)pyrene	26.074	276	457896	11.714	ng	# 94
88) Benzo(b)fluoranthene	22.904	252	924155	26.328	ng	98
89) Benzo(k)fluoranthene	22.904	252	924155	26.699	ng	98
90) Benzo(a)pyrene	23.516	252	668165	23.142	ng	98
91) Dibenzo(a,h)anthracene	26.086	278	113188	3.459	ng	# 88
92) Benzo(g,h,i)perylene	26.827	276	423710	13.839	ng	97

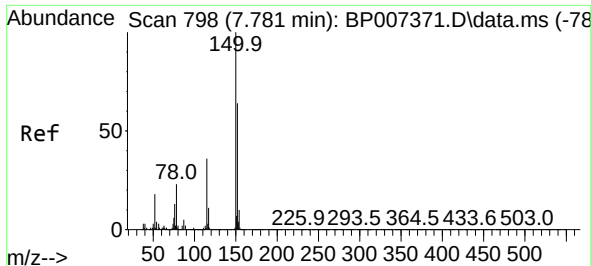
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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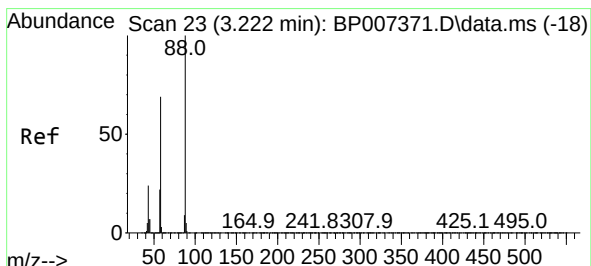
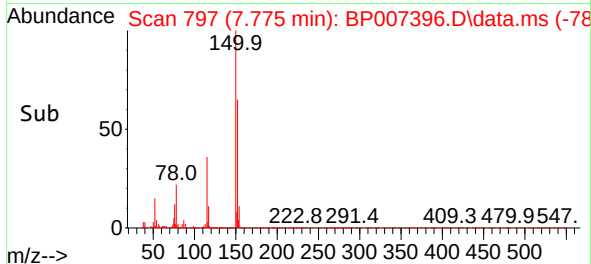
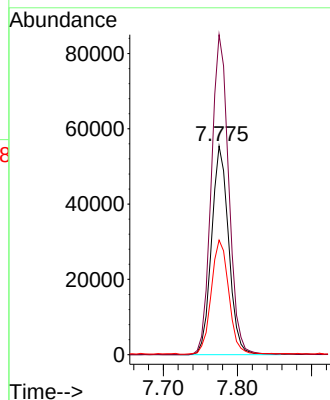
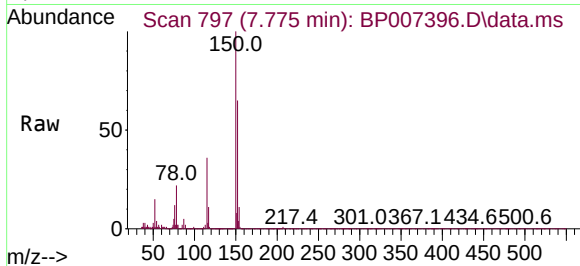




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.775 min Scan# 797
Delta R.T. -0.006 min
Lab File: BP007396.D
Acq: 09 Oct 2021 03:48

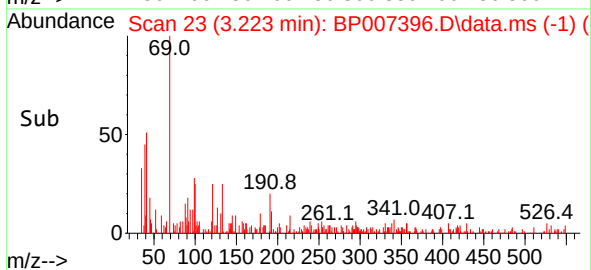
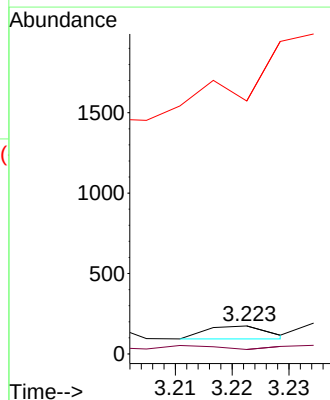
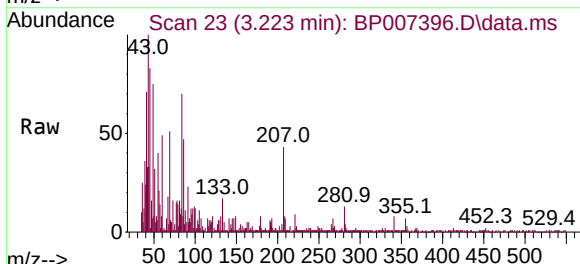
Instrument :
BNA_P
ClientSampled :
EJ-2DL

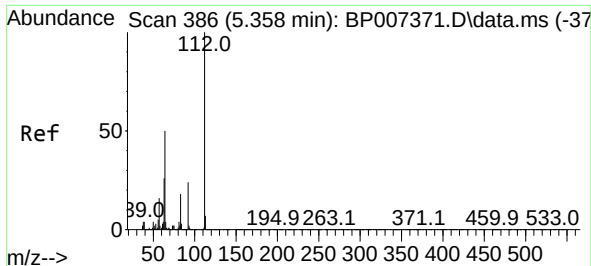
Tgt Ion:152 Resp: 88886
Ion Ratio Lower Upper
152 100
150 153.4 125.6 188.4
115 54.9 48.5 72.7



#2
1,4-Dioxane
Concen: Below Cal
RT: 3.223 min Scan# 23
Delta R.T. 0.001 min
Lab File: BP007396.D
Acq: 09 Oct 2021 03:48

Tgt Ion: 88 Resp: 62
Ion Ratio Lower Upper
88 100
58 22.6 46.7 70.1#
43 0.0 20.3 30.5#

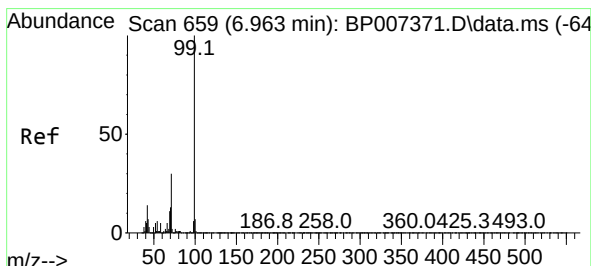
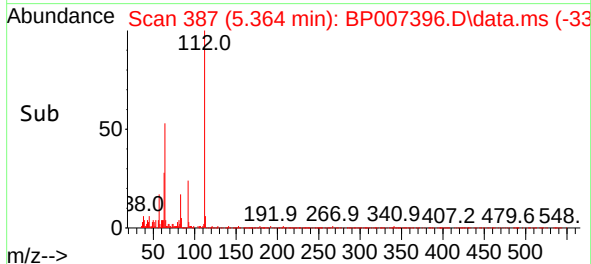
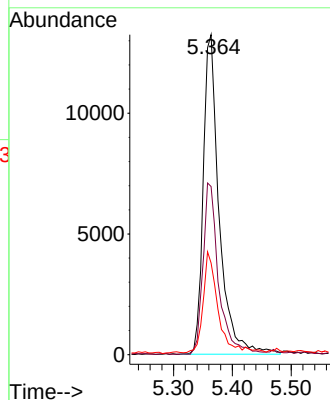
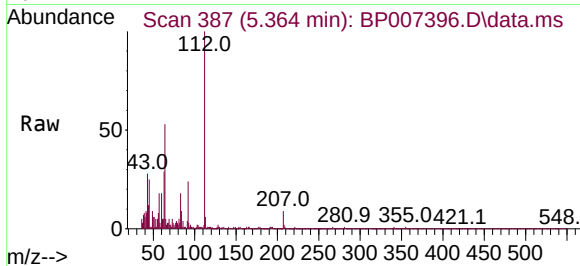




#5
2-Fluorophenol
Concen: 4.603 ng
RT: 5.364 min Scan# 387
Delta R.T. 0.006 min
Lab File: BP007396.D
Acq: 09 Oct 2021 03:48

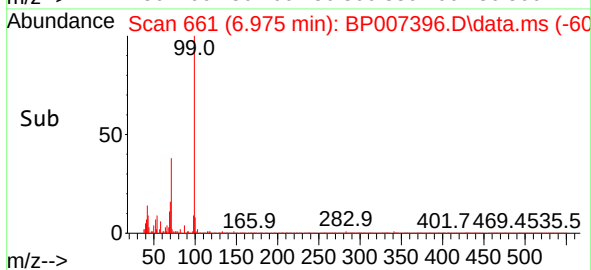
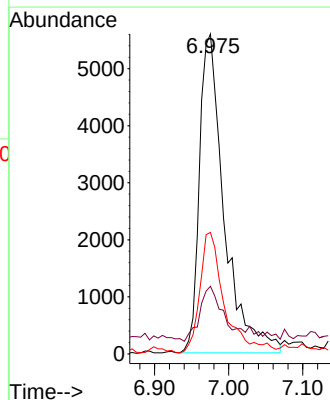
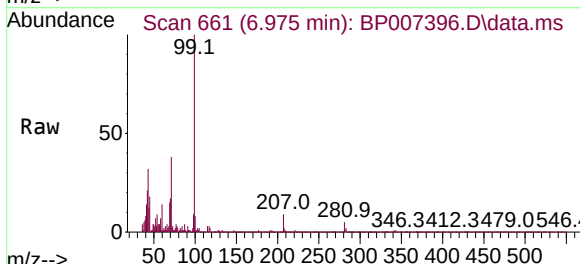
Instrument :
BNA_P
ClientSampleId :
EJ-2DL

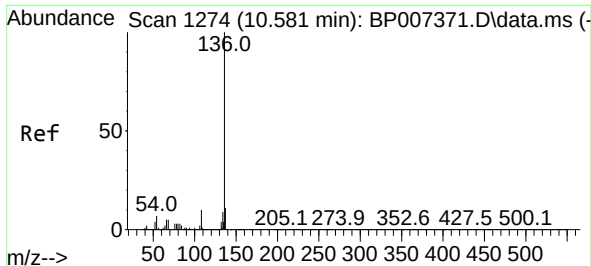
Tgt Ion:	112	Resp:	24831
Ion Ratio	Lower	Upper	
112	100		
64	52.5	41.4	62.2
63	28.7	23.8	35.8



#7
Phenol-d6
Concen: 1.790 ng
RT: 6.975 min Scan# 661
Delta R.T. 0.012 min
Lab File: BP007396.D
Acq: 09 Oct 2021 03:48

Tgt Ion:	99	Resp:	12964
Ion Ratio	Lower	Upper	
99	100		
42	21.1	13.4	20.0#
71	38.0	30.6	46.0

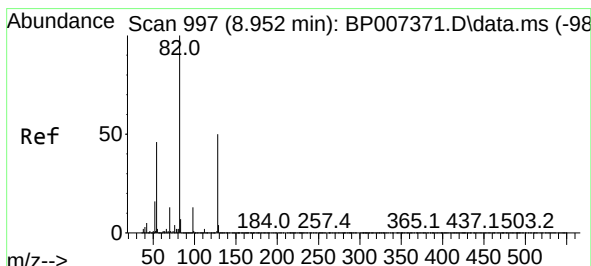
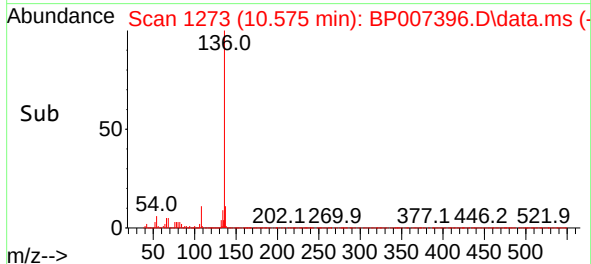
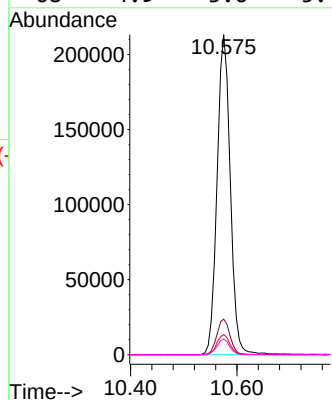
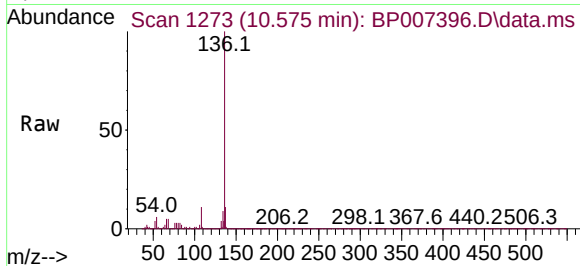




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.575 min Scan# 1273
Delta R.T. -0.006 min
Lab File: BP007396.D
Acq: 09 Oct 2021 03:48

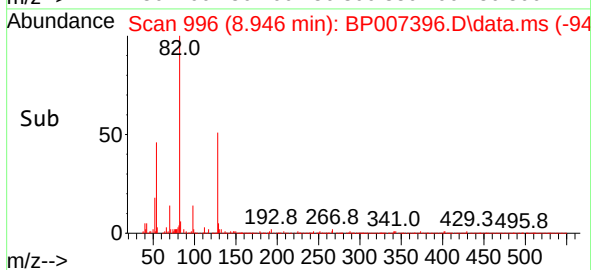
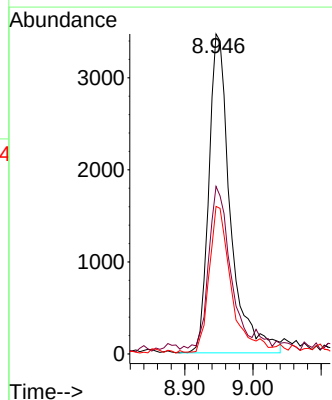
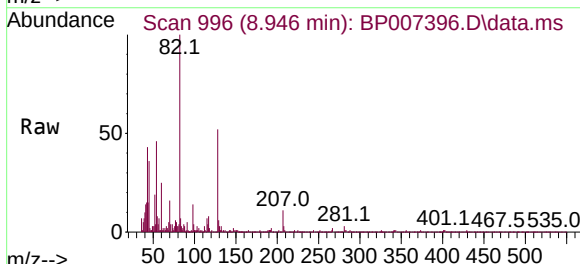
Instrument :
BNA_P
ClientSampleId :
EJ-2DL

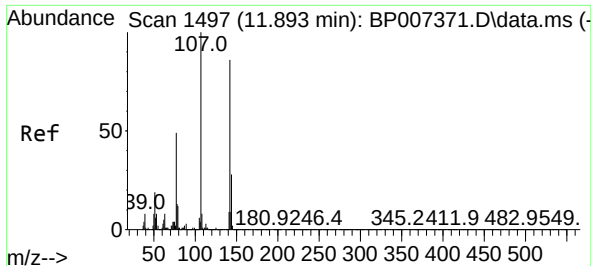
Tgt Ion:	136	Resp:	366735
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.6	12.8
54	6.3	4.6	6.8
68	4.9	3.6	5.4



#23
Nitrobenzene-d5
Concen: 1.225 ng
RT: 8.946 min Scan# 996
Delta R.T. -0.006 min
Lab File: BP007396.D
Acq: 09 Oct 2021 03:48

Tgt Ion:	82	Resp:	7631
Ion Ratio	Lower	Upper	
82	100		
128	52.4	35.7	53.5
54	46.1	35.0	52.4

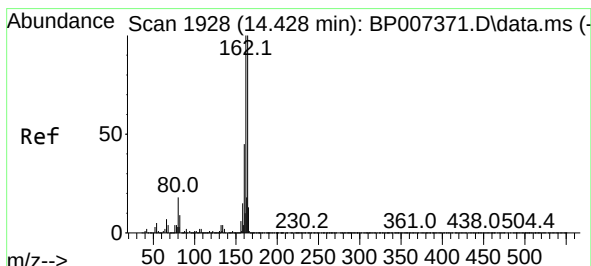
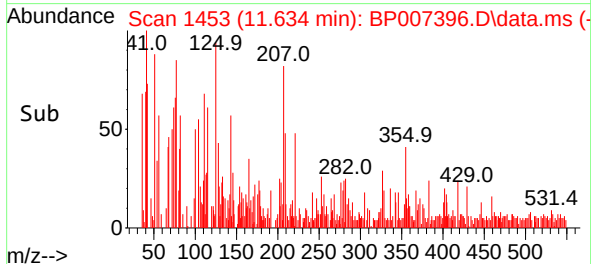
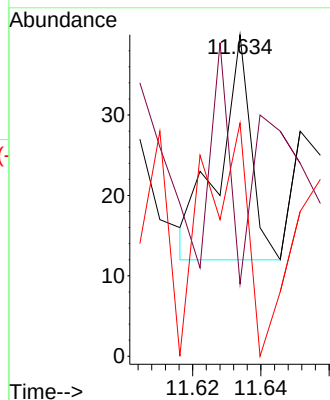
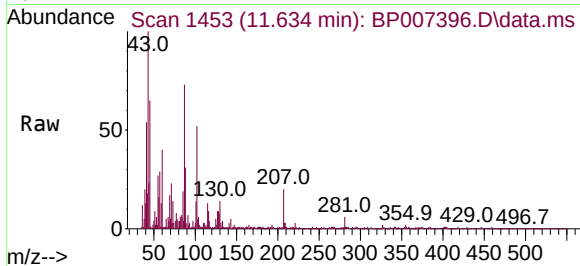




#36
4-Chloro-3-methylphenol
Concen: 2.320 ng
RT: 11.634 min Scan# 1453
Delta R.T. -0.259 min
Lab File: BP007396.D
Acq: 09 Oct 2021 03:48

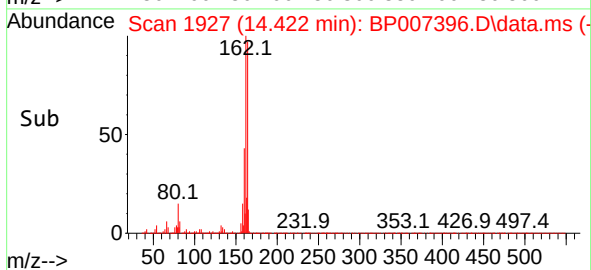
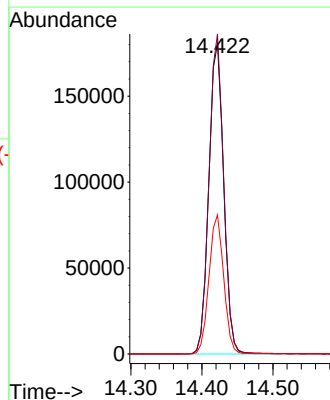
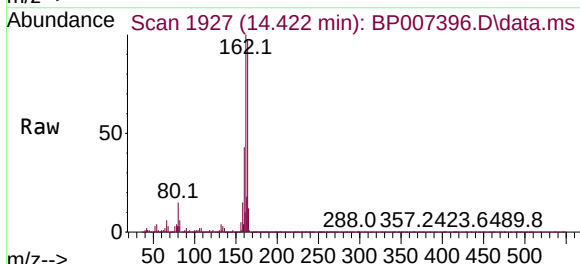
Instrument :
BNA_P
ClientSampleId :
EJ-2DL

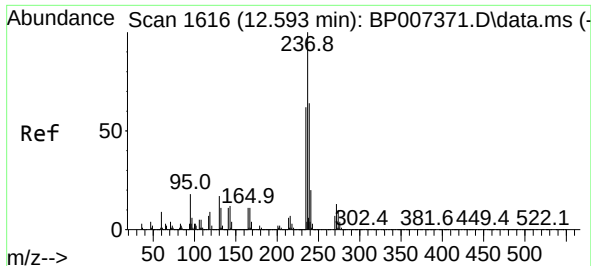
Tgt Ion:	107	Resp:	18
Ion	Ratio	Lower	Upper
107	100		
144	22.5	21.1	31.7
142	72.5	66.0	99.0



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.422 min Scan# 1927
Delta R.T. -0.006 min
Lab File: BP007396.D
Acq: 09 Oct 2021 03:48

Tgt Ion:	164	Resp:	263356
Ion	Ratio	Lower	Upper
164	100		
162	103.2	80.2	120.2
160	44.8	34.5	51.7

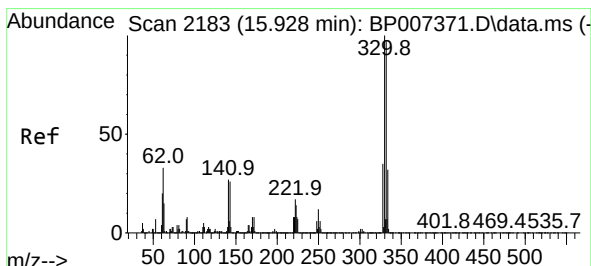
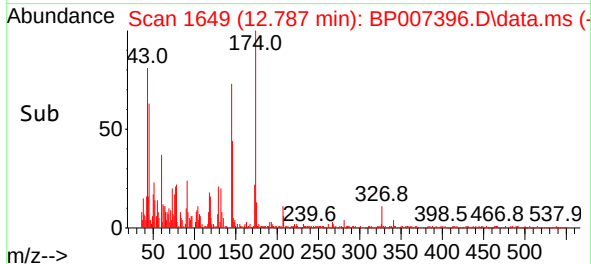
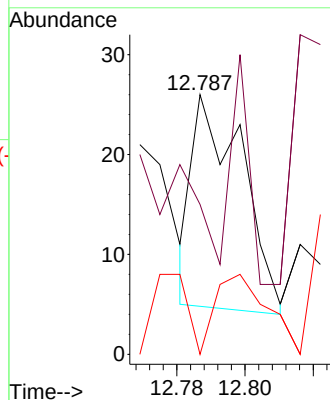
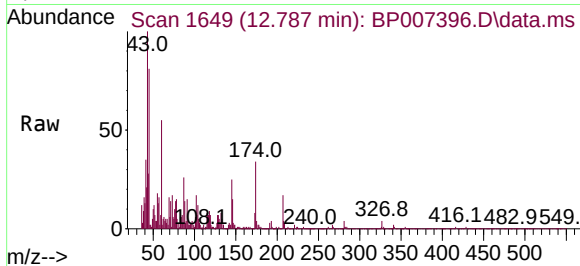




#41
Hexachlorocyclopentadiene
Concen: 6.061 ng
RT: 12.787 min Scan# 1649
Delta R.T. 0.194 min
Lab File: BP007396.D
Acq: 09 Oct 2021 03:48

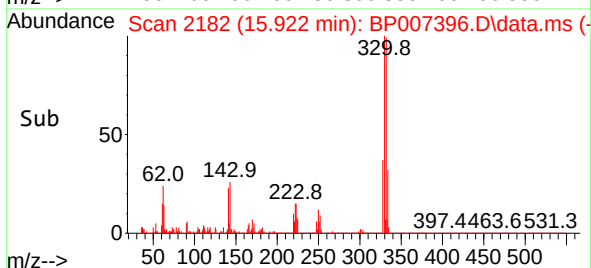
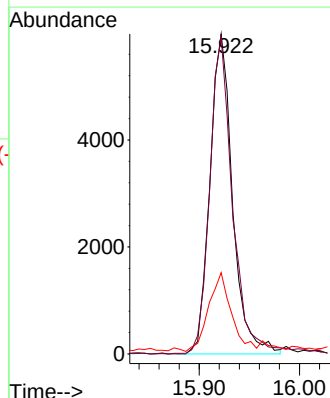
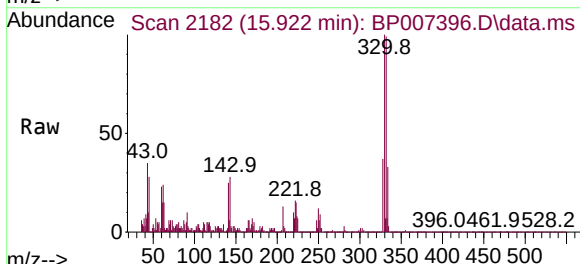
Instrument :
BNA_P
ClientSampleId :
EJ-2DL

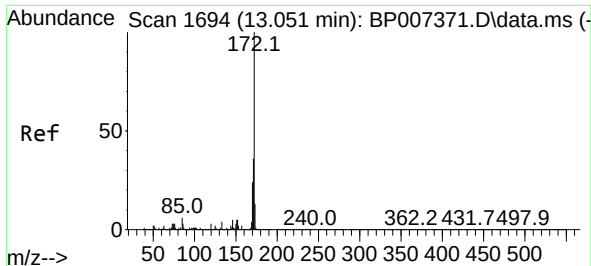
Tgt Ion:	237	Resp:	22
Ion	Ratio	Lower	Upper
237	100		
235	57.7	44.5	84.5
272	0.0	0.0	32.5



#42
2,4,6-Tribromophenol
Concen: 2.174 ng
RT: 15.922 min Scan# 2182
Delta R.T. -0.006 min
Lab File: BP007396.D
Acq: 09 Oct 2021 03:48

Tgt Ion:	330	Resp:	9391
Ion	Ratio	Lower	Upper
330	100		
332	100.9	77.8	116.8
141	24.7	25.4	38.2#

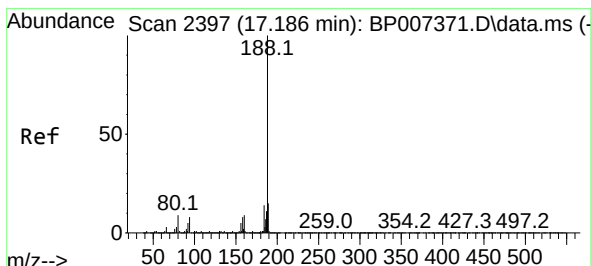
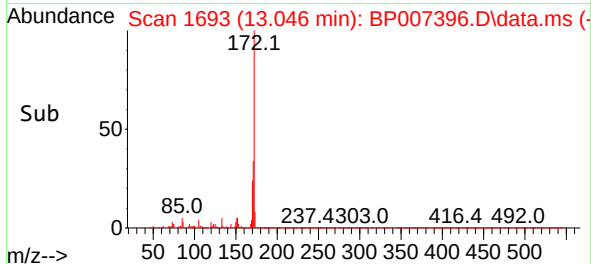
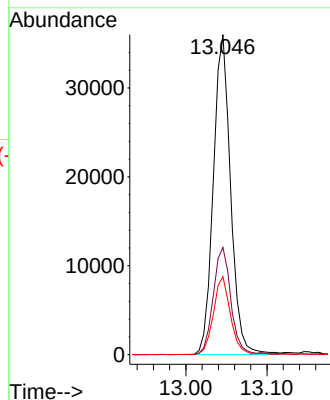
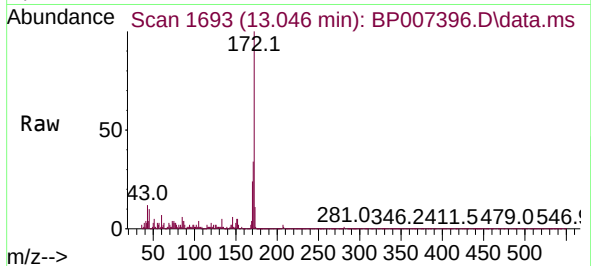




#45
2-Fluorobiphenyl
Concen: 2.822 ng
RT: 13.046 min Scan# 1693
Delta R.T. -0.005 min
Lab File: BP007396.D
Acq: 09 Oct 2021 03:48

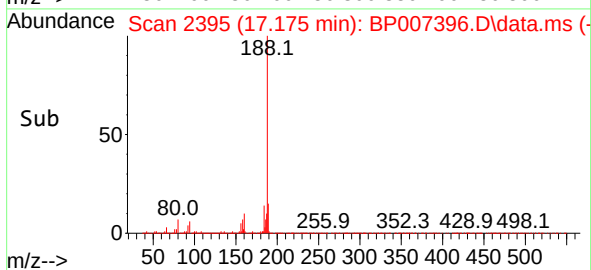
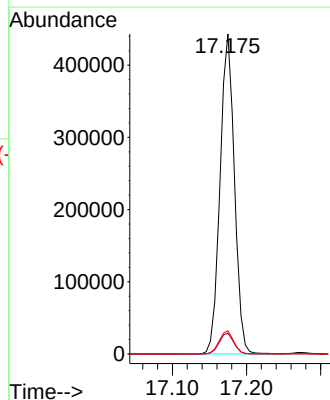
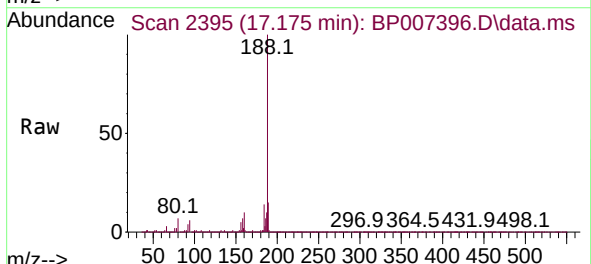
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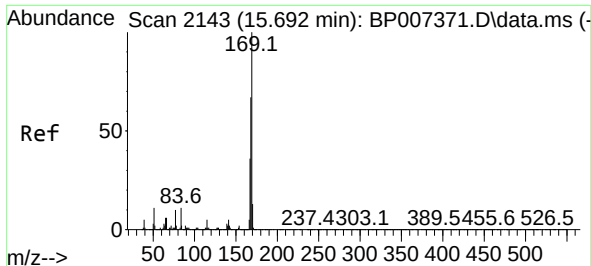
Tgt Ion:172	Resp:	53182
Ion Ratio	Lower	Upper
172	100	
171	33.5	27.9 41.9
170	24.4	18.6 27.8



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.175 min Scan# 2395
Delta R.T. -0.011 min
Lab File: BP007396.D
Acq: 09 Oct 2021 03:48

Tgt Ion:188	Resp:	596426
Ion Ratio	Lower	Upper
188	100	
94	6.5	5.6 8.4
80	7.3	6.3 9.5

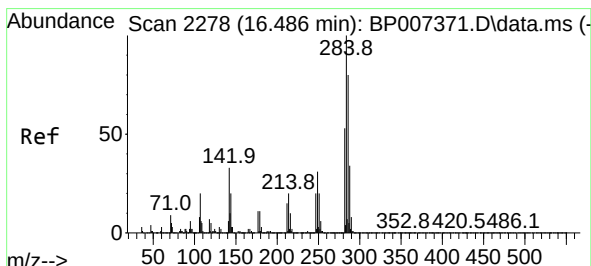
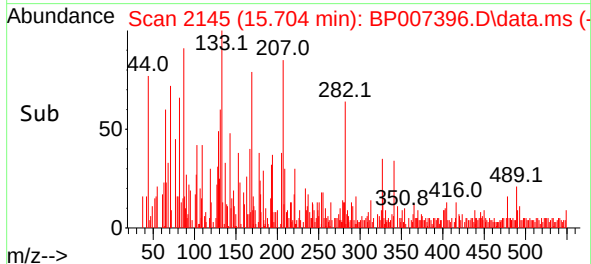
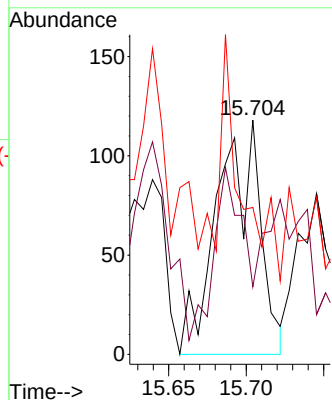
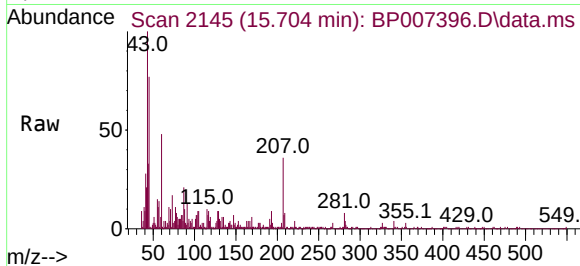




#66
n-Nitrosodiphenylamine
Concen: Below Cal
RT: 15.704 min Scan# 2145
Delta R.T. 0.012 min
Lab File: BP007396.D
Acq: 09 Oct 2021 03:48

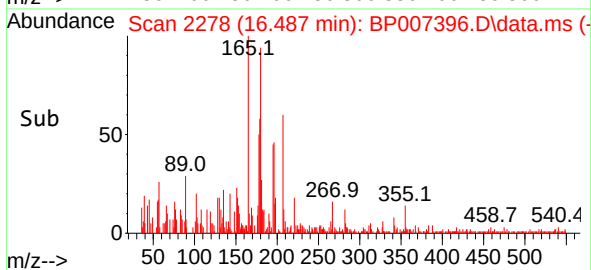
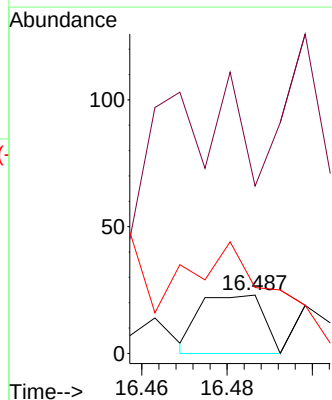
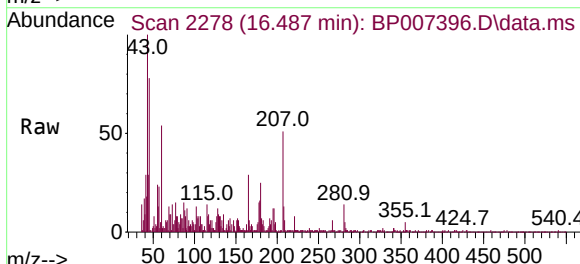
Instrument :
BNA_P
ClientSampleId :
EJ-2DL

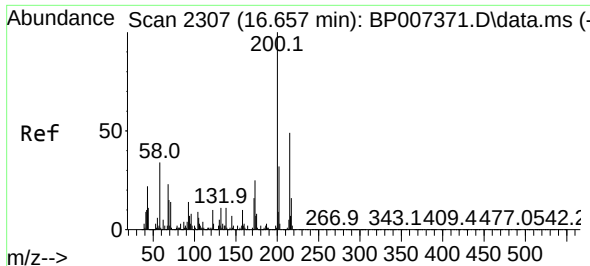
Tgt Ion:169 Resp: 226
Ion Ratio Lower Upper
169 100
168 28.8 54.4 81.6#
167 62.7 29.0 43.6#



#68
Hexachlorobenzene
Concen: Below Cal
RT: 16.487 min Scan# 2278
Delta R.T. 0.001 min
Lab File: BP007396.D
Acq: 09 Oct 2021 03:48

Tgt Ion:284 Resp: 24
Ion Ratio Lower Upper
284 100
142 287.0 26.9 40.3#
249 139.1 24.5 36.7#

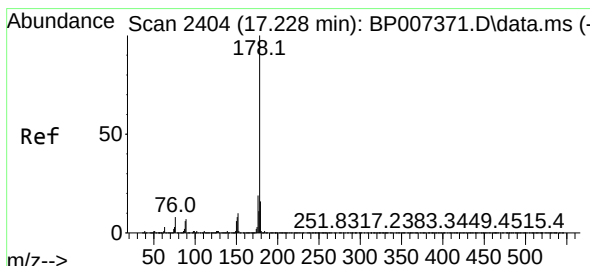
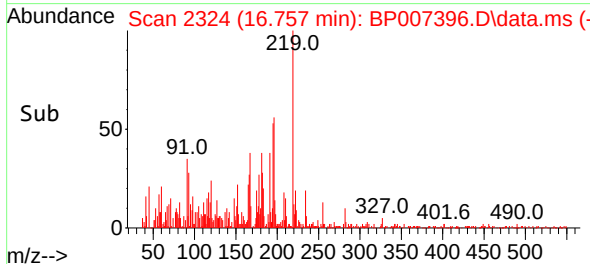
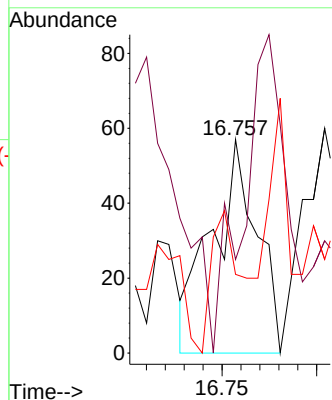
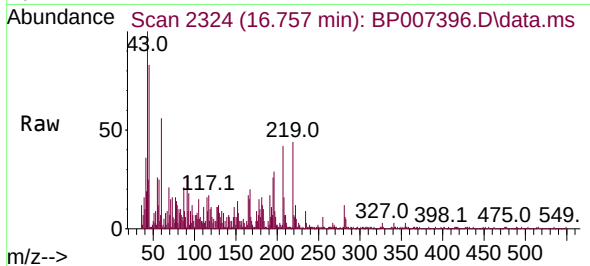




#69
Atrazine
Concen: Below Cal
RT: 16.757 min Scan# 2324
Delta R.T. 0.100 min
Lab File: BP007396.D
Acq: 09 Oct 2021 03:48

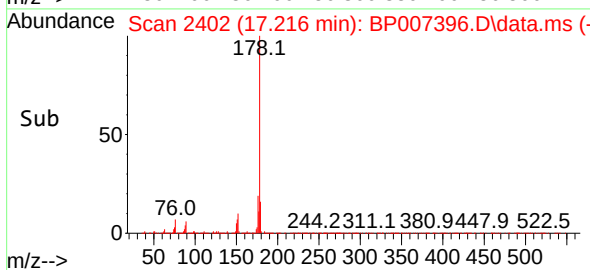
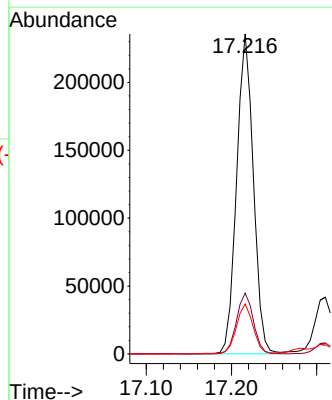
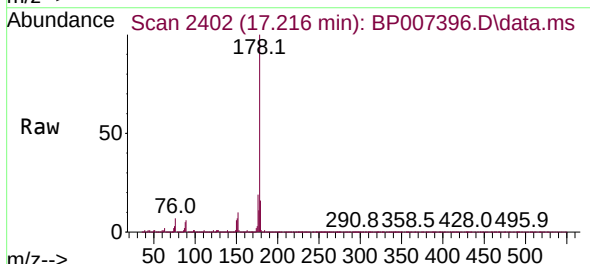
Instrument :
BNA_P
ClientSampleId :
EJ-2DL

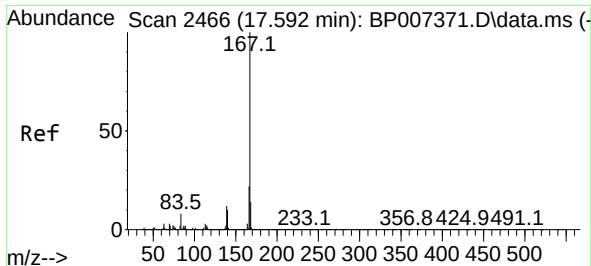
Tgt Ion:200 Resp: 94
Ion Ratio Lower Upper
200 100
173 43.9 4.1 44.1
215 36.8 27.7 67.7



#71
Phenanthrene
Concen: 10.191 ng
RT: 17.216 min Scan# 2402
Delta R.T. -0.012 min
Lab File: BP007396.D
Acq: 09 Oct 2021 03:48

Tgt Ion:178 Resp: 320979
Ion Ratio Lower Upper
178 100
176 19.0 15.1 22.7
179 15.6 12.4 18.6

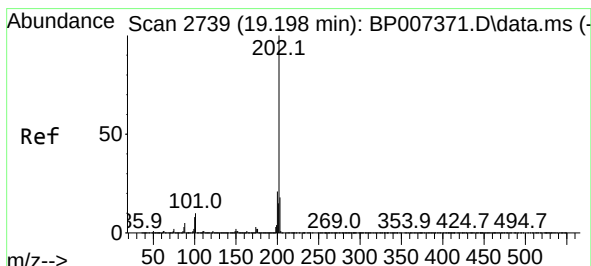
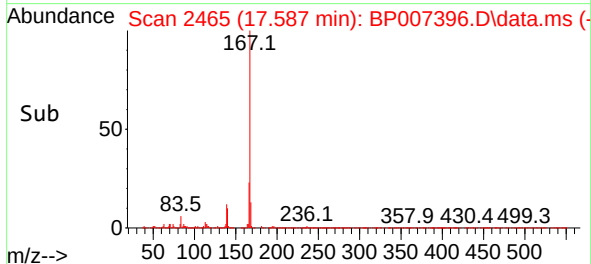
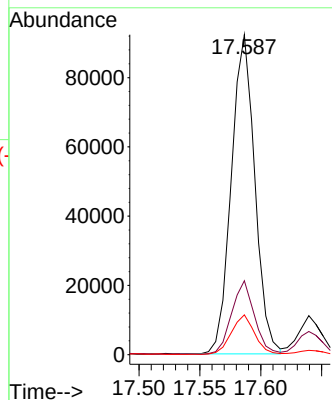
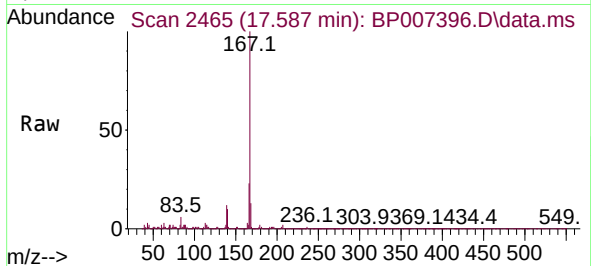




#73
 Carbazole
 Concen: 3.814 ng
 RT: 17.587 min Scan# 2465
 Delta R.T. -0.005 min
 Lab File: BP007396.D
 Acq: 09 Oct 2021 03:48

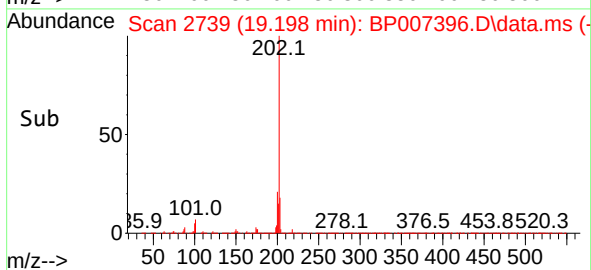
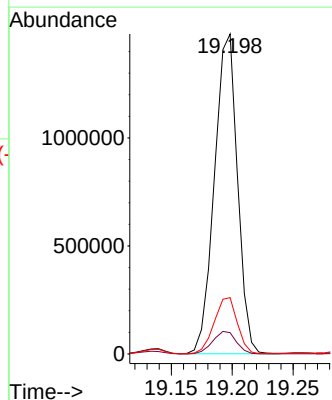
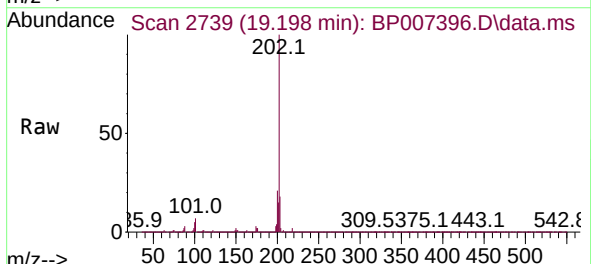
Instrument :
 BNA_P
 ClientSampled :
 EJ-2DL

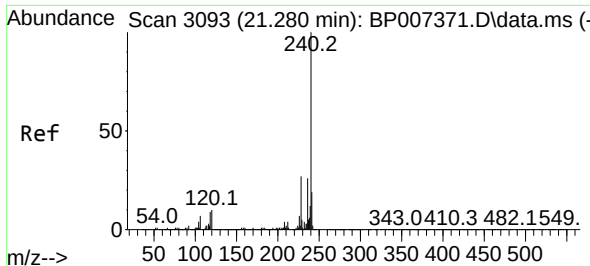
Tgt Ion:167 Resp: 123700
 Ion Ratio Lower Upper
 167 100
 166 23.1 17.1 25.7
 139 12.4 10.7 16.1



#75
 Fluoranthene
 Concen: 47.953 ng
 RT: 19.198 min Scan# 2739
 Delta R.T. 0.000 min
 Lab File: BP007396.D
 Acq: 09 Oct 2021 03:48

Tgt Ion:202 Resp: 1947791
 Ion Ratio Lower Upper
 202 100
 101 6.6 0.0 27.6
 203 17.6 0.0 37.8

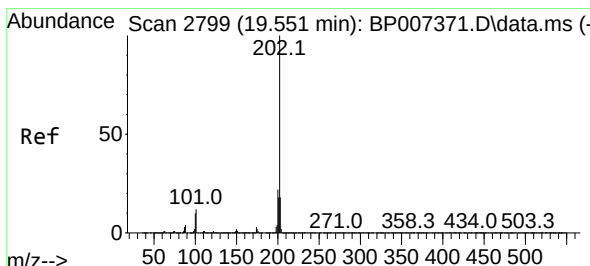
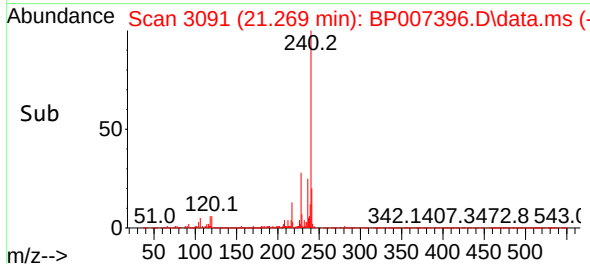
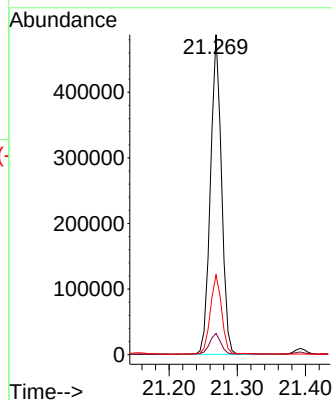
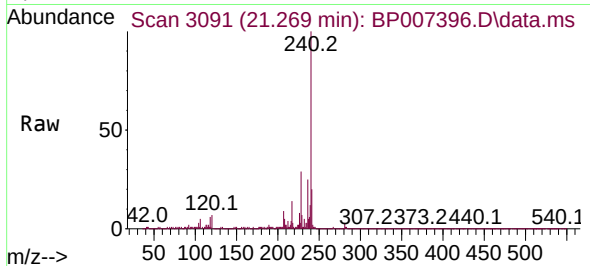




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.269 min Scan# 3091
Delta R.T. -0.011 min
Lab File: BP007396.D
Acq: 09 Oct 2021 03:48

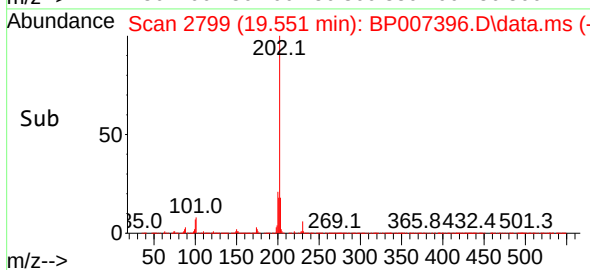
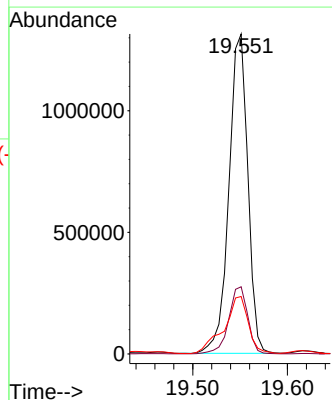
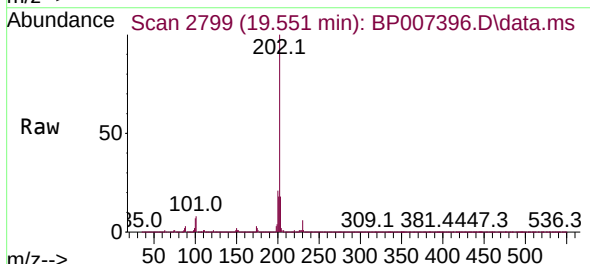
Instrument :
BNA_P
ClientSampleId :
EJ-2DL

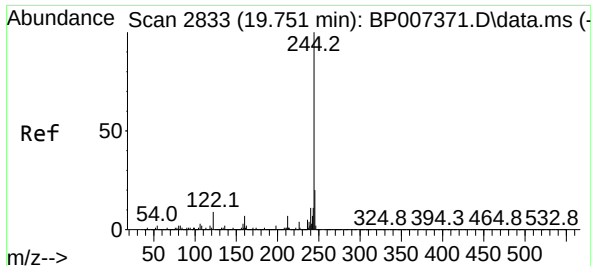
Tgt Ion:240 Resp: 548563
Ion Ratio Lower Upper
240 100
120 6.6 6.5 9.7
236 24.9 20.6 31.0



#78
Pyrene
Concen: 48.121 ng
RT: 19.551 min Scan# 2799
Delta R.T. 0.000 min
Lab File: BP007396.D
Acq: 09 Oct 2021 03:48

Tgt Ion:202 Resp: 1817781
Ion Ratio Lower Upper
202 100
200 21.0 16.3 24.5
203 17.9 14.2 21.2

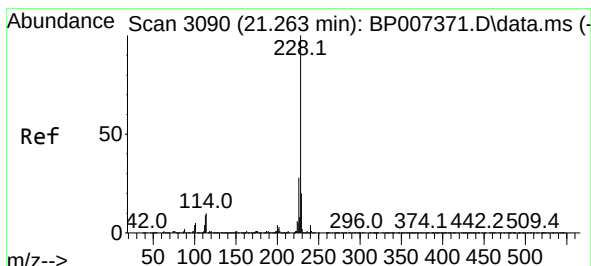
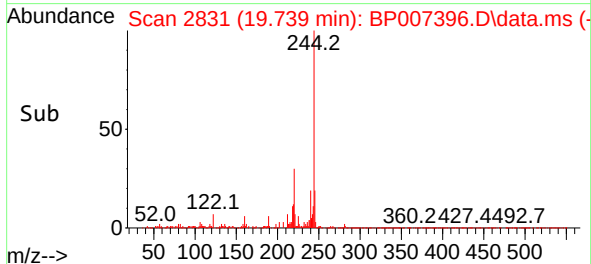
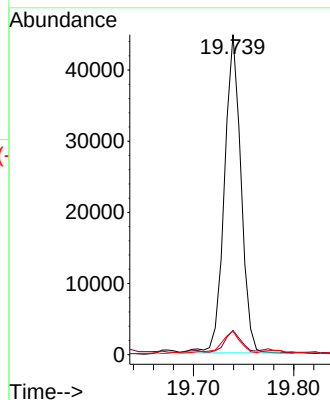
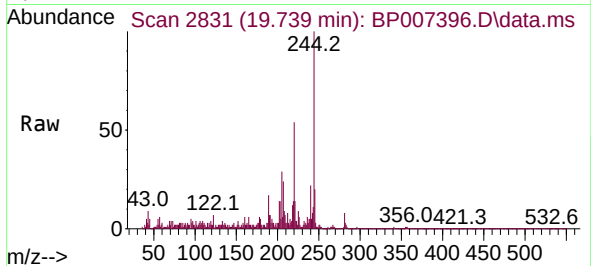




#79
 Terphenyl-d14
 Concen: 1.649 ng
 RT: 19.739 min Scan# 2831
 Delta R.T. -0.012 min
 Lab File: BP007396.D
 Acq: 09 Oct 2021 03:48

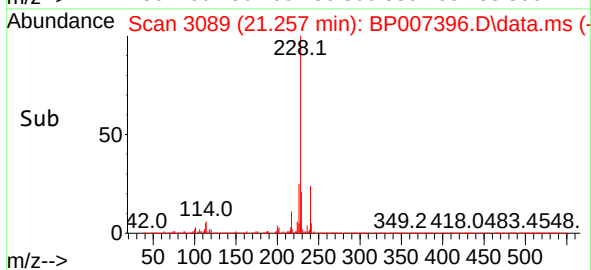
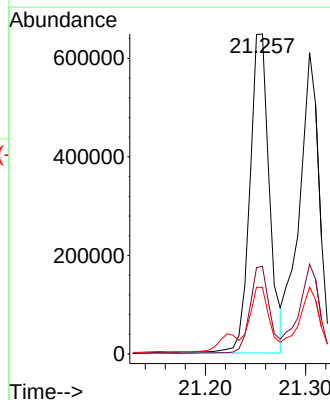
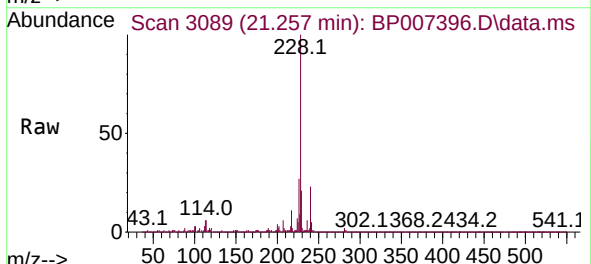
Instrument :
 BNA_P
 ClientSampleId :
 EJ-2DL

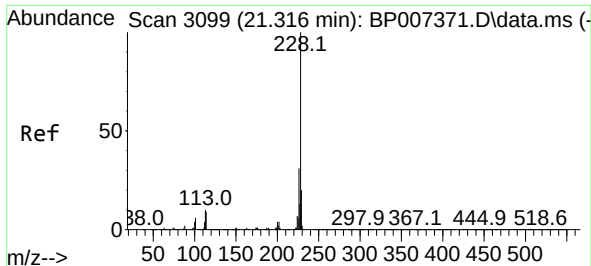
Tgt Ion:244	Resp:	51290
Ion Ratio	Lower	Upper
244	100	
212	7.6	6.0 9.0
122	7.3	7.1 10.7



#81
 Benzo(a)anthracene
 Concen: 24.687 ng
 RT: 21.257 min Scan# 3089
 Delta R.T. -0.006 min
 Lab File: BP007396.D
 Acq: 09 Oct 2021 03:48

Tgt Ion:228	Resp:	874851
Ion Ratio	Lower	Upper
228	100	
226	27.4	21.6 32.4
229	20.8	15.8 23.6

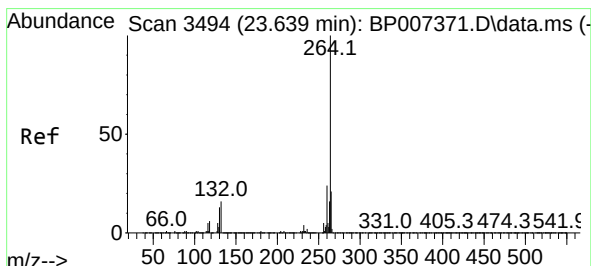
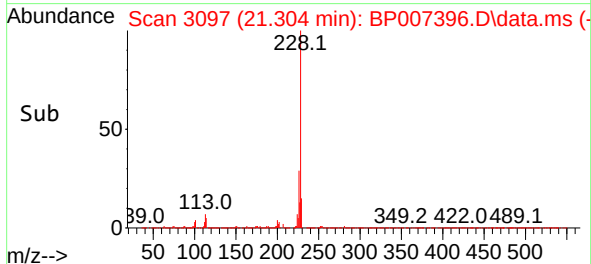
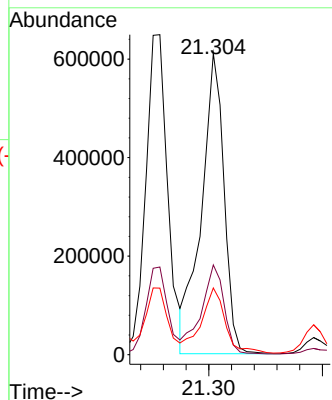
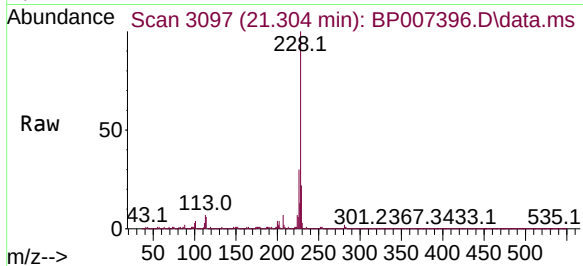




#83
Chrysene
Concen: 25.291 ng
RT: 21.304 min Scan# 3097
Delta R.T. -0.012 min
Lab File: BP007396.D
Acq: 09 Oct 2021 03:48

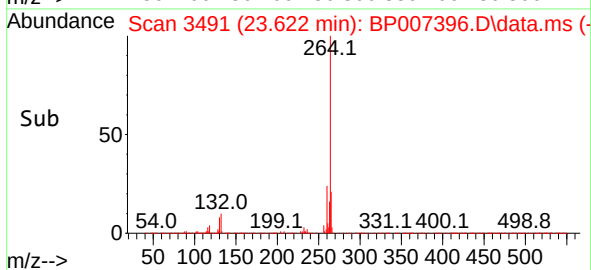
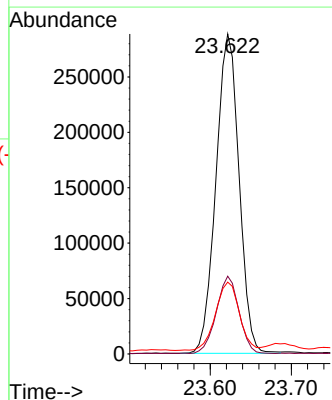
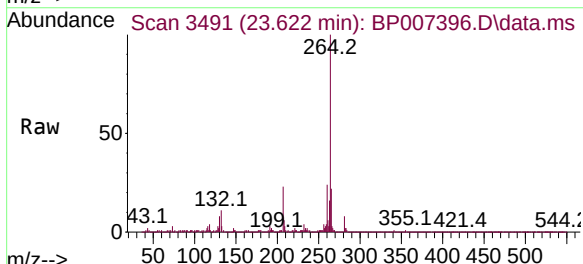
Instrument :
BNA_P
ClientSampleId :
EJ-2DL

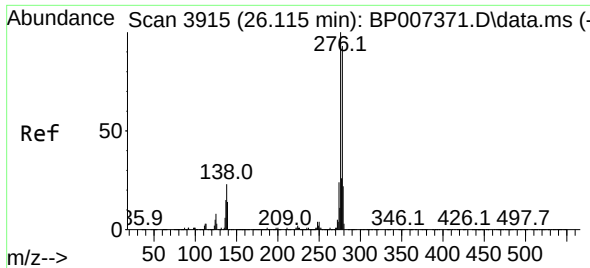
Tgt Ion:228 Resp: 843600
Ion Ratio Lower Upper
228 100
226 29.8 23.8 35.6
229 22.1 15.4 23.2



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.622 min Scan# 3491
Delta R.T. -0.017 min
Lab File: BP007396.D
Acq: 09 Oct 2021 03:48

Tgt Ion:264 Resp: 571116
Ion Ratio Lower Upper
264 100
260 24.3 18.6 28.0
265 22.4 17.6 26.4

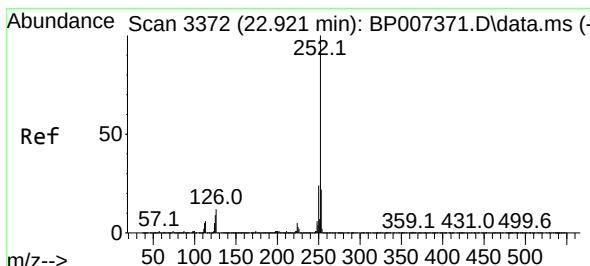
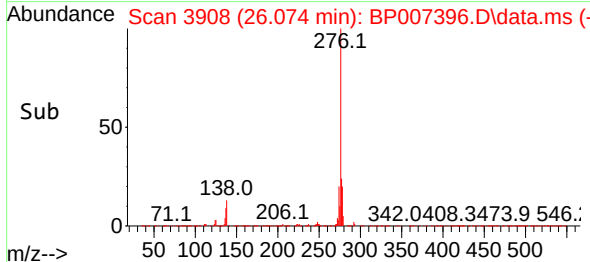
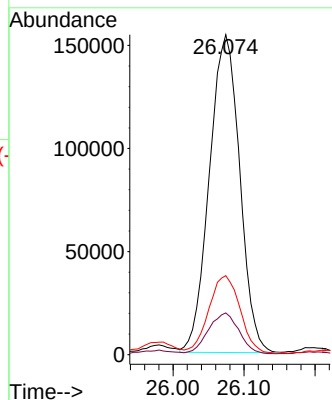
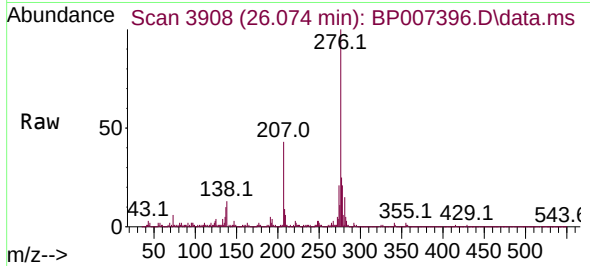




#87
Indeno(1,2,3-cd)pyrene
Concen: 11.714 ng
RT: 26.074 min Scan# 3908
Delta R.T. -0.041 min
Lab File: BP007396.D
Acq: 09 Oct 2021 03:48

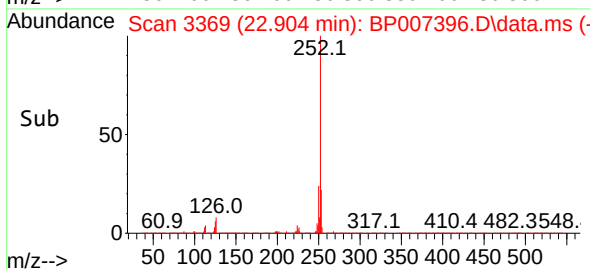
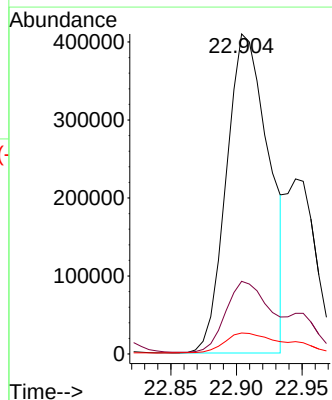
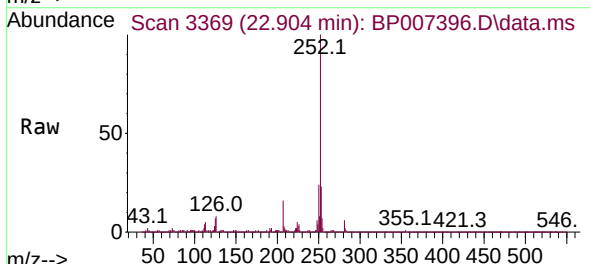
Instrument :
BNA_P
ClientSampleId :
EJ-2DL

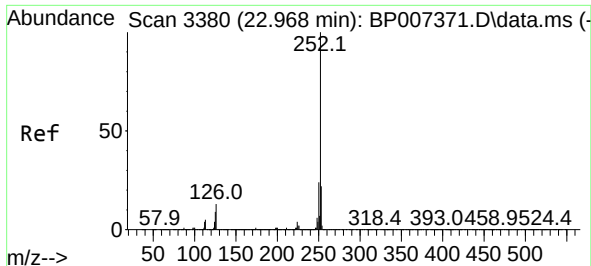
Tgt Ion:276 Resp: 457896
Ion Ratio Lower Upper
276 100
138 12.8 15.3 22.9#
277 25.2 20.4 30.6



#88
Benzo(b)fluoranthene
Concen: 26.328 ng
RT: 22.904 min Scan# 3369
Delta R.T. -0.017 min
Lab File: BP007396.D
Acq: 09 Oct 2021 03:48

Tgt Ion:252 Resp: 924155
Ion Ratio Lower Upper
252 100
253 22.7 17.5 26.3
125 6.6 6.2 9.4

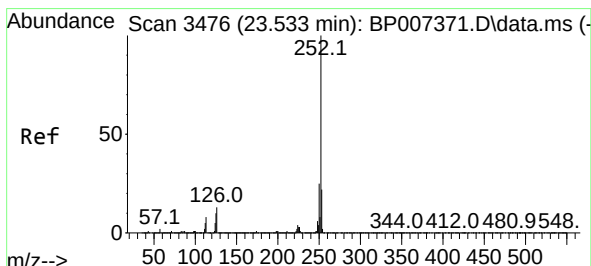
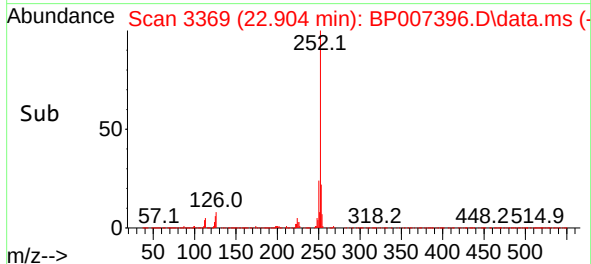
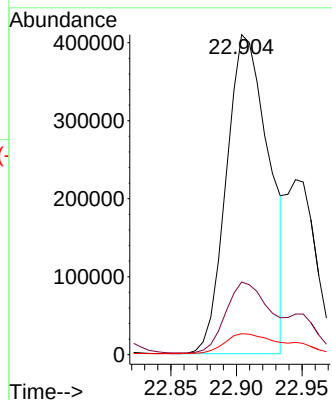
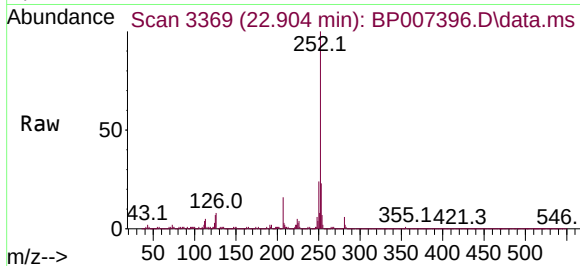




#89
Benzo(k)fluoranthene
Concen: 26.699 ng
RT: 22.904 min Scan# 3369
Delta R.T. -0.064 min
Lab File: BP007396.D
Acq: 09 Oct 2021 03:48

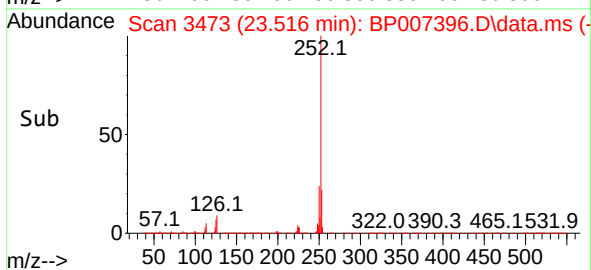
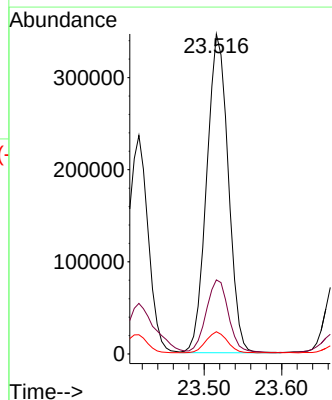
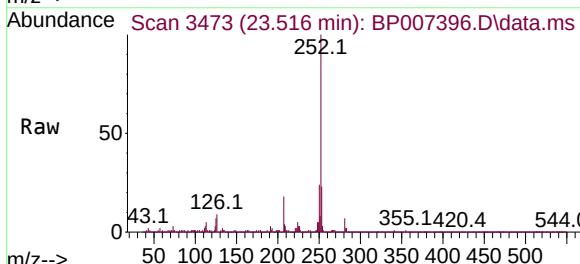
Instrument :
BNA_P
ClientSampleId :
EJ-2DL

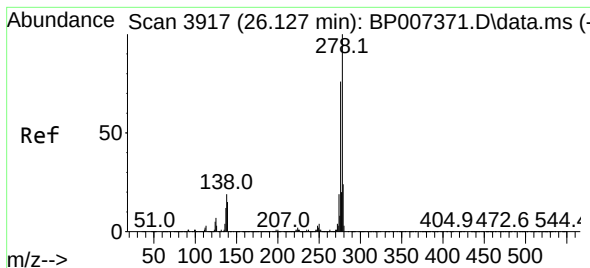
Tgt Ion:252 Resp: 924155
Ion Ratio Lower Upper
252 100
253 22.7 17.6 26.4
125 6.6 6.0 9.0



#90
Benzo(a)pyrene
Concen: 23.142 ng
RT: 23.516 min Scan# 3473
Delta R.T. -0.017 min
Lab File: BP007396.D
Acq: 09 Oct 2021 03:48

Tgt Ion:252 Resp: 668165
Ion Ratio Lower Upper
252 100
253 23.2 17.9 26.9
125 7.0 6.5 9.7

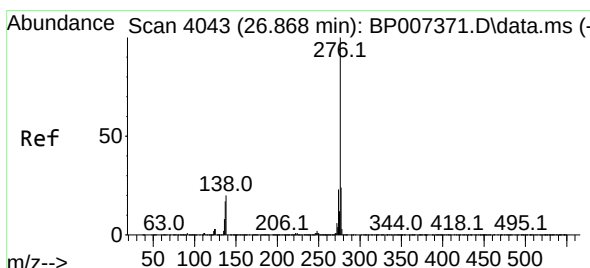
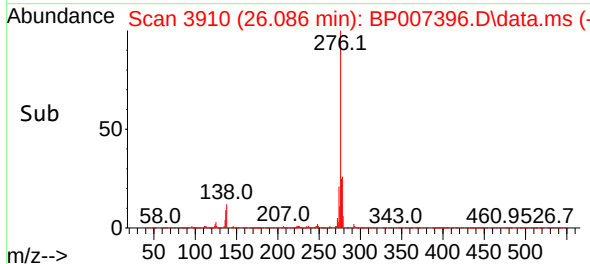
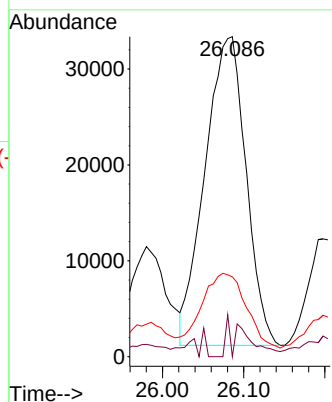
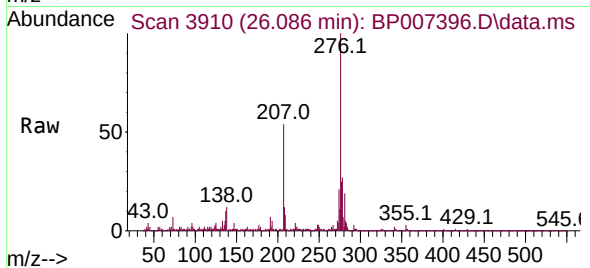




#91
Dibenzo(a,h)anthracene
Concen: 3.459 ng
RT: 26.086 min Scan# 3910
Delta R.T. -0.041 min
Lab File: BP007396.D
Acq: 09 Oct 2021 03:48

Instrument :
BNA_P
ClientSampled :
EJ-2DL

Tgt Ion:278 Resp: 113188
Ion Ratio Lower Upper
278 100
139 0.0 9.3 13.9#
279 25.0 18.8 28.2



#92
Benzo(g,h,i)perylene
Concen: 13.839 ng
RT: 26.827 min Scan# 4036
Delta R.T. -0.041 min
Lab File: BP007396.D
Acq: 09 Oct 2021 03:48

Tgt Ion:276 Resp: 423710
Ion Ratio Lower Upper
276 100
277 24.1 18.9 28.3
138 12.6 12.6 18.8

