

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP021921\
 Data File : BP004829.D
 Acq On : 19 Feb 2021 19:14
 Operator : CG/JU
 Sample : M1439-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SP-142-150

Quant Time: Feb 19 23:53:18 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP020521.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 19 12:04:44 2021
 Response via : Initial Calibration

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

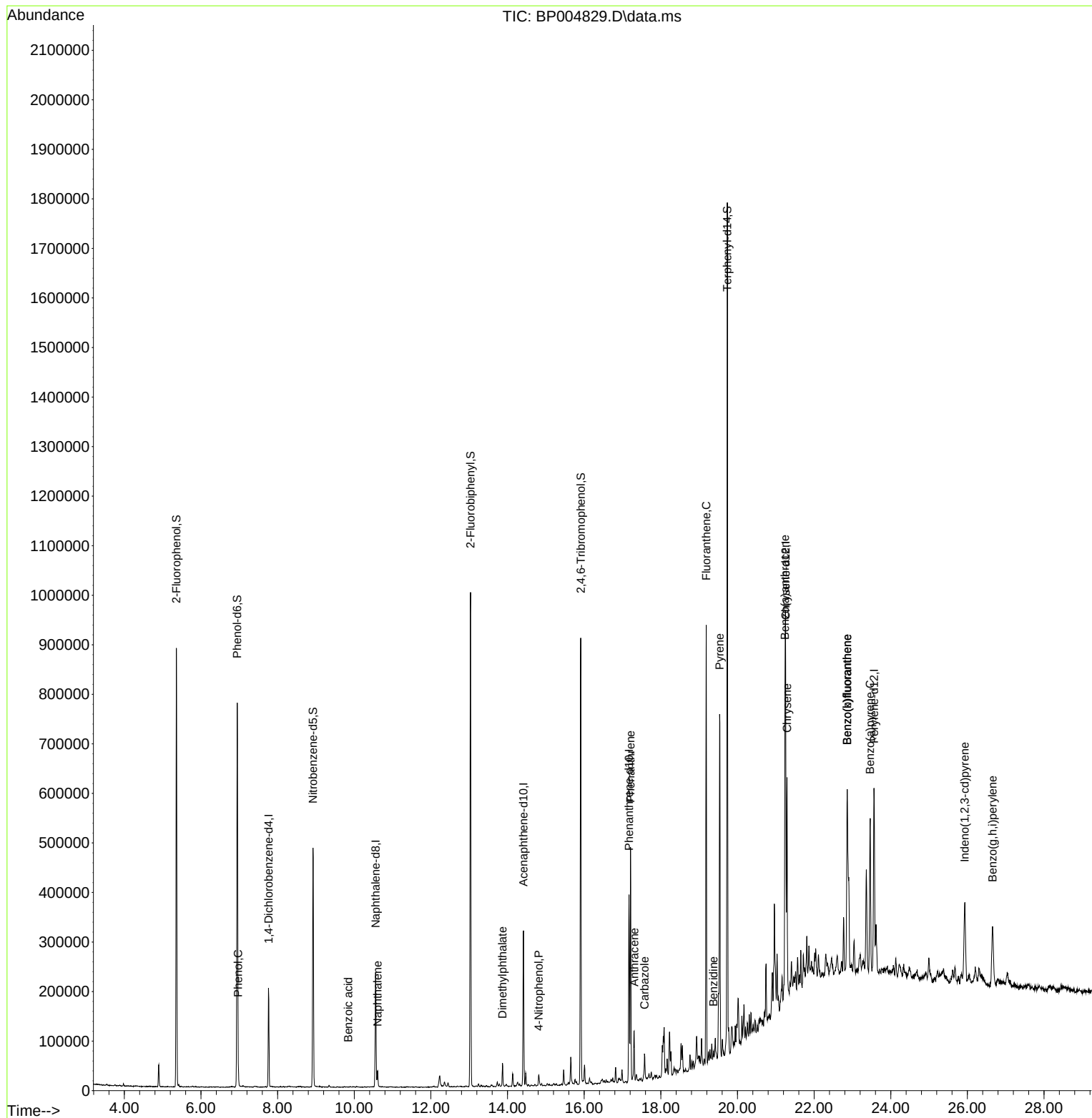
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.763	152	50552	20.00	ng	0.00
21) Naphthalene-d8	10.557	136	180788	20.00	ng	# 0.00
39) Acenaphthene-d10	14.416	164	103878	20.00	ng	0.00
64) Phenanthrene-d10	17.169	188	221050	20.00	ng	0.00
76) Chrysene-d12	21.257	240	259778	20.00	ng	0.00
86) Perylene-d12	23.563	264	269879	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.358	112	348602	106.47	ng	0.00
7) Phenol-d6	6.946	99	424391	94.26	ng	0.00
23) Nitrobenzene-d5	8.922	82	269607	64.98	ng	0.00
42) 2,4,6-Tribromophenol	15.910	330	147993	107.23	ng	0.00
45) 2-Fluorobiphenyl	13.034	172	500561	58.90	ng	0.00
79) Terphenyl-d14	19.733	244	696813	45.06	ng	0.00
Target Compounds						
						Qvalue
10) Phenol	6.969	94	16248	3.73	ng	75
31) Naphthalene	10.610	128	24923	2.36	ng	97
32) Benzoic acid	9.840	122	118	6.90	ng	# 67
50) Dimethylphthalate	13.869	163	27076	2.96	ng	98
56) 4-Nitrophenol	14.816	139	4174	2.78	ng	# 24
71) Phenanthrene	17.210	178	260736	19.26	ng	99
72) Anthracene	17.304	178	61403	4.72	ng	98
73) Carbazole	17.575	167	31085	2.60	ng	96
75) Fluoranthene	19.186	202	498803	30.93	ng	98
77) Benzidine	19.375	184	186	2.17	ng	# 1
78) Pyrene	19.533	202	432688	23.62	ng	98
81) Benzo(a)anthracene	21.239	228	261937	14.22	ng	98
83) Chrysene	21.292	228	234244	13.13	ng	98
87) Indeno(1,2,3-cd)pyrene	25.927	276	159309	7.39	ng	# 92
88) Benzo(b)fluoranthene	22.863	252	432851	21.90	ng	99
89) Benzo(k)fluoranthene	22.863	252	432851	22.81	ng	99
90) Benzo(a)pyrene	23.463	252	226585	12.68	ng	98
92) Benzo(g,h,i)perylene	26.657	276	154160	8.94	ng	# 95

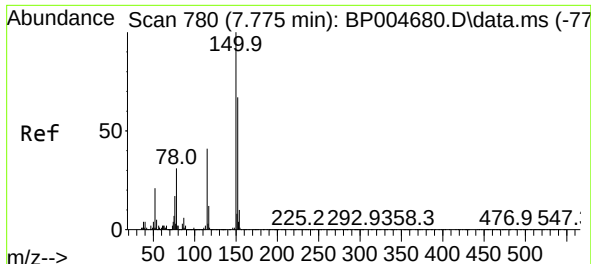
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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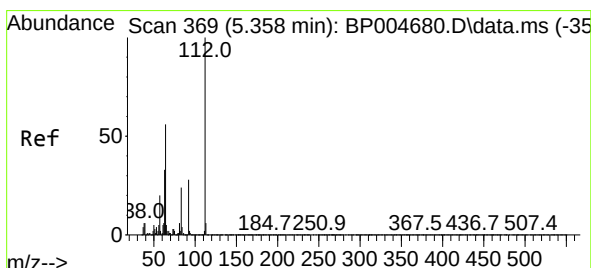
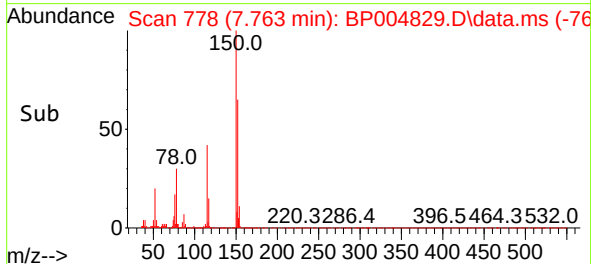
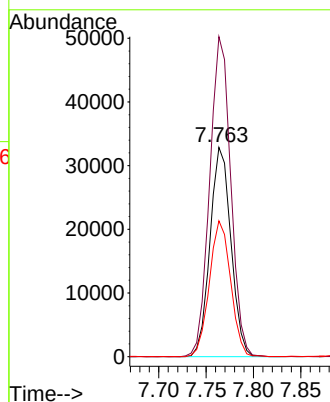
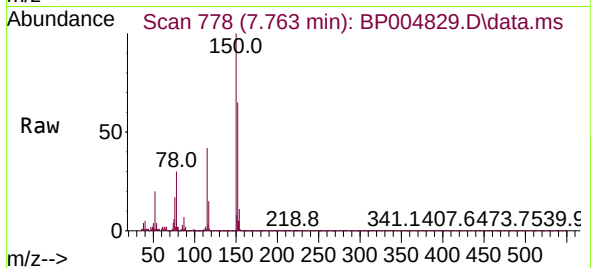




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.763 min Scan# 778
Delta R.T. 0.000 min
Lab File: BP004829.D
Acq: 19 Feb 2021 19:14

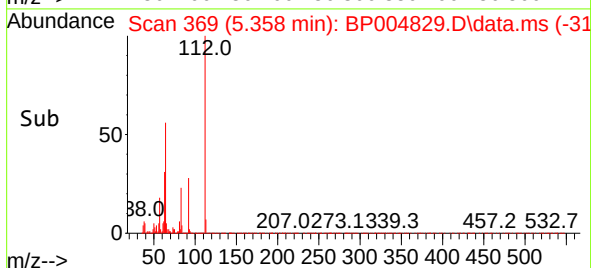
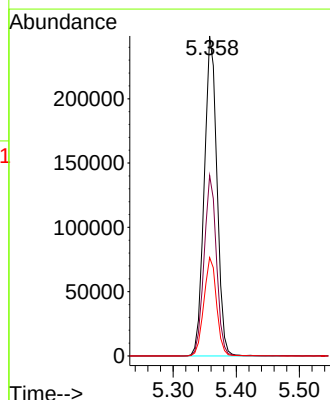
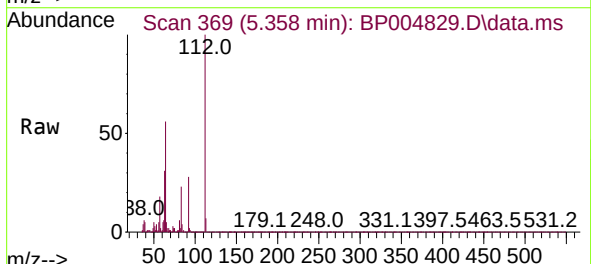
Instrument :
BNA_P
ClientSampleId :
SP-142-150

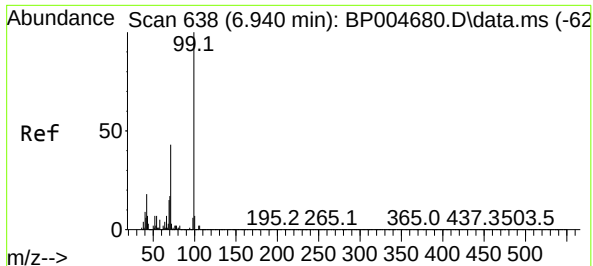
Tgt Ion:152 Resp: 50552
Ion Ratio Lower Upper
152 100
150 152.9 123.8 185.6
115 64.9 43.8 65.6



#5
2-Fluorophenol
Concen: 106.47 ng
RT: 5.358 min Scan# 369
Delta R.T. 0.006 min
Lab File: BP004829.D
Acq: 19 Feb 2021 19:14

Tgt Ion:112 Resp: 348602
Ion Ratio Lower Upper
112 100
64 56.4 32.8 49.2#
63 30.7 17.0 25.4#

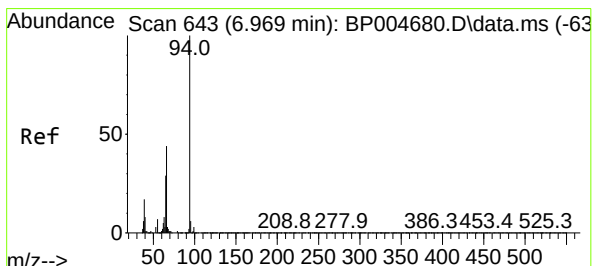
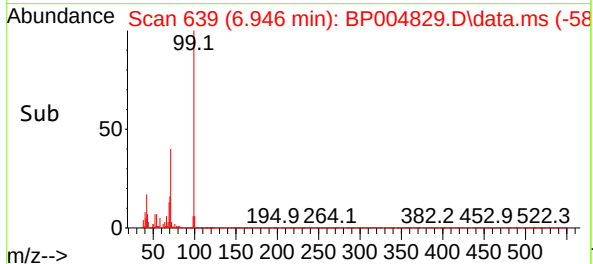
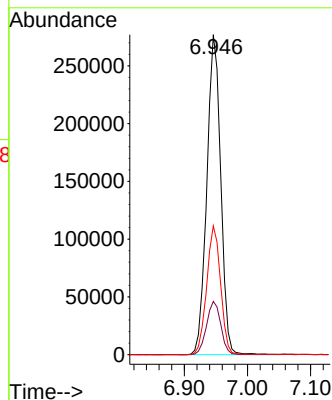
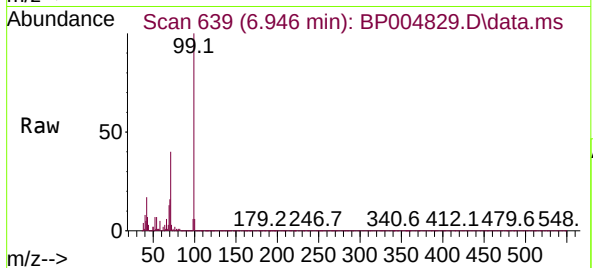




#7
Phenol-d6
Concen: 94.26 ng
RT: 6.946 min Scan# 639
Delta R.T. 0.000 min
Lab File: BP004829.D
Acq: 19 Feb 2021 19:14

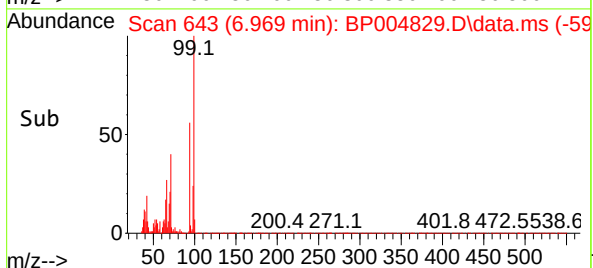
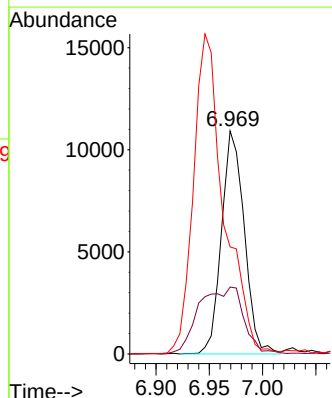
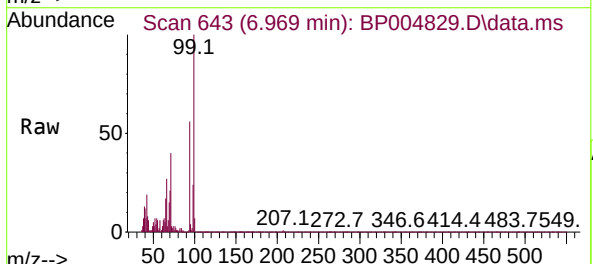
Instrument :
BNA_P
ClientSampleId :
SP-142-150

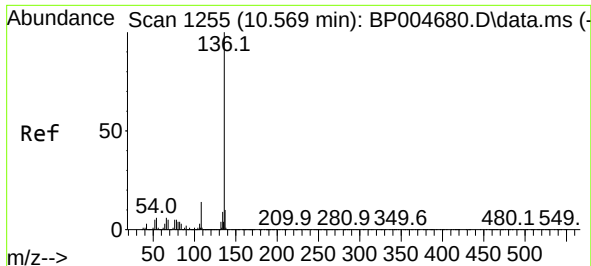
Tgt Ion: 99 Resp: 424391
Ion Ratio Lower Upper
99 100
42 16.6 8.6 13.0#
71 40.2 23.4 35.2#



#10
Phenol
Concen: 3.73 ng
RT: 6.969 min Scan# 643
Delta R.T. 0.000 min
Lab File: BP004829.D
Acq: 19 Feb 2021 19:14

Tgt Ion: 94 Resp: 16248
Ion Ratio Lower Upper
94 100
65 30.0 2.3 42.3
66 48.0 10.9 50.9

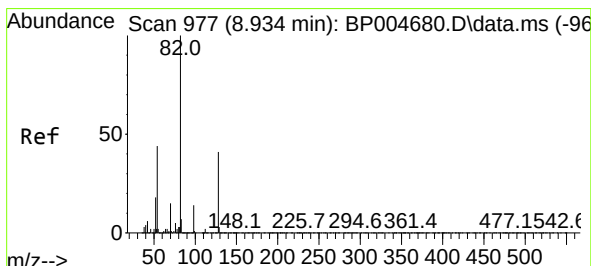
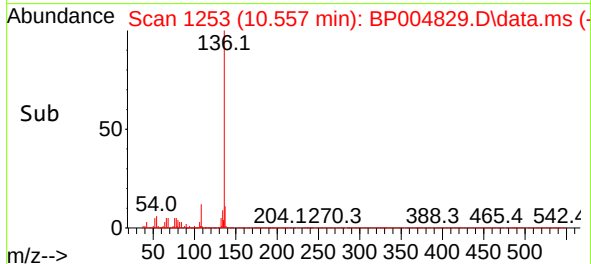
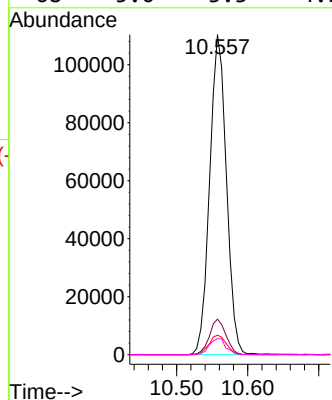
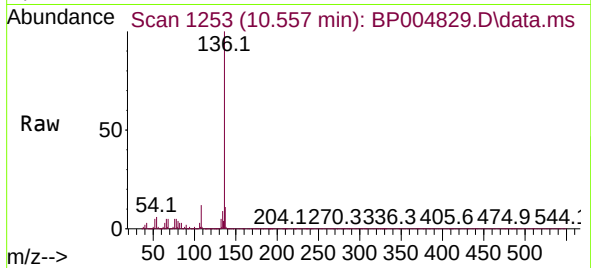




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.557 min Scan# 1253
Delta R.T. 0.000 min
Lab File: BP004829.D
Acq: 19 Feb 2021 19:14

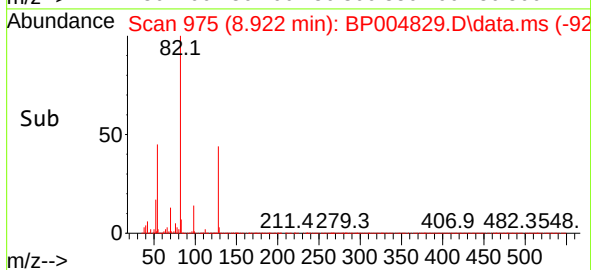
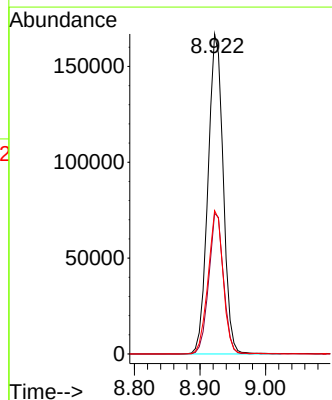
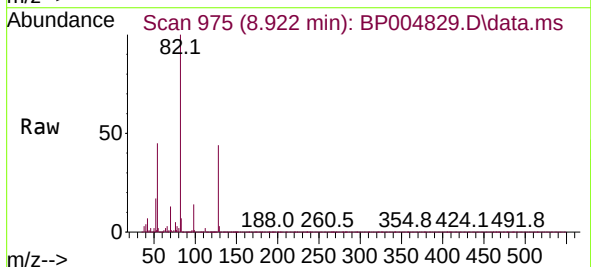
Instrument :
BNA_P
ClientSampleId :
SP-142-150

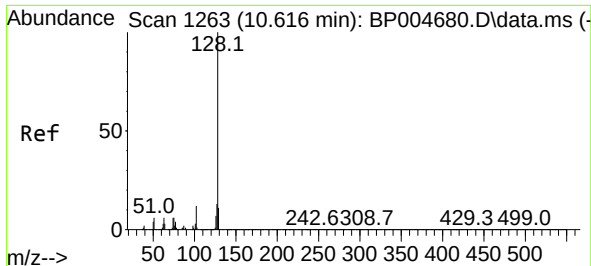
Tgt Ion:	136	Resp:	180788
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.6	13.0
54	6.1	3.6	5.4#
68	5.0	3.3	4.9#



#23
Nitrobenzene-d5
Concen: 64.98 ng
RT: 8.922 min Scan# 975
Delta R.T. 0.000 min
Lab File: BP004829.D
Acq: 19 Feb 2021 19:14

Tgt Ion:	82	Resp:	269607
Ion Ratio	Lower	Upper	
82	100		
128	44.0	45.6	68.4#
54	44.8	30.1	45.1

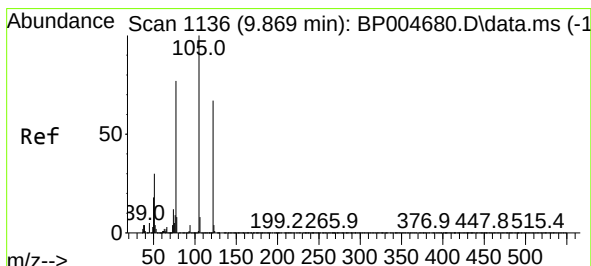
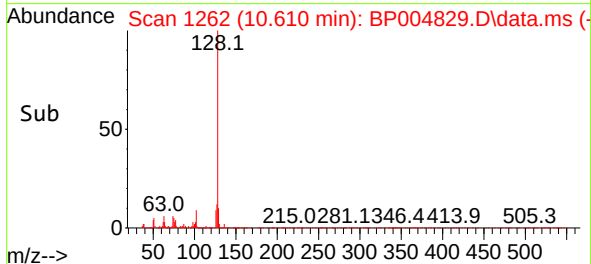
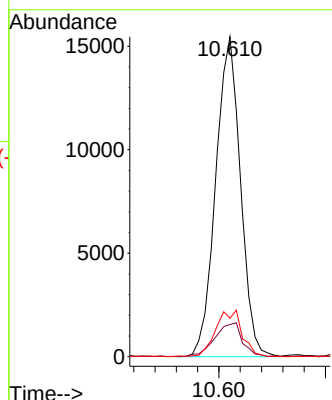
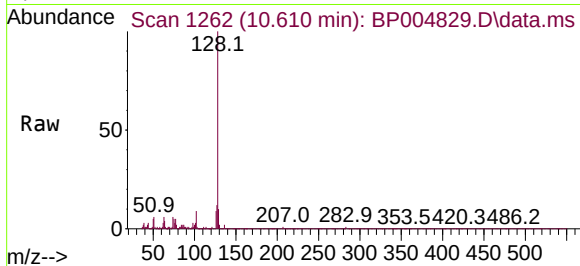




#31
Naphthalene
Concen: 2.36 ng
RT: 10.610 min Scan# 1262
Delta R.T. 0.006 min
Lab File: BP004829.D
Acq: 19 Feb 2021 19:14

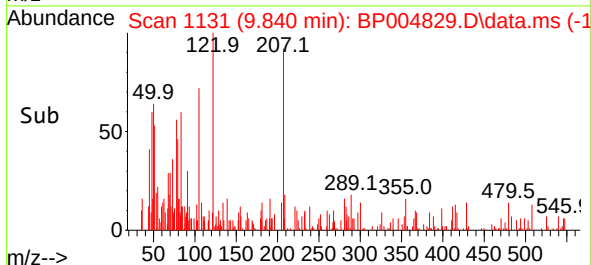
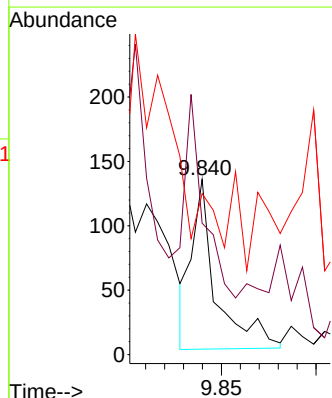
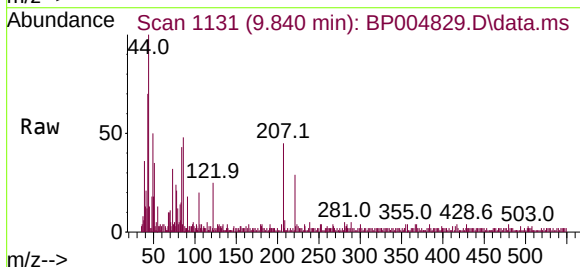
Instrument :
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ClientSampleId :
SP-142-150

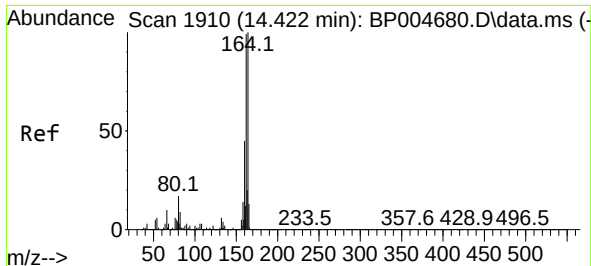
Tgt Ion:	128	Resp:	24923
Ion	Ratio	Lower	Upper
128	100		
129	10.1	8.8	13.2
127	12.0	10.6	15.8



#32
Benzoic acid
Concen: 6.90 ng
RT: 9.840 min Scan# 1131
Delta R.T. -0.029 min
Lab File: BP004829.D
Acq: 19 Feb 2021 19:14

Tgt Ion:	122	Resp:	118
Ion	Ratio	Lower	Upper
122	100		
105	75.0	94.1	134.1#
77	91.9	50.1	90.1#

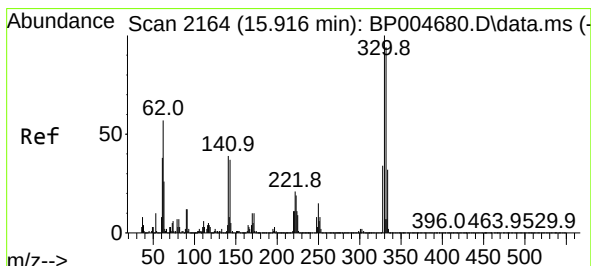
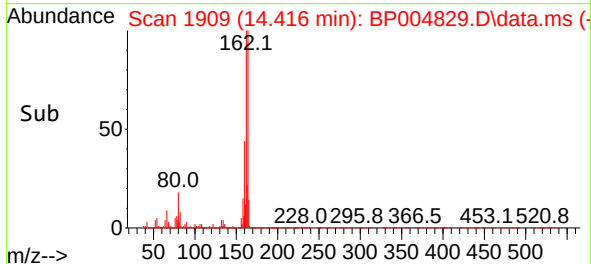
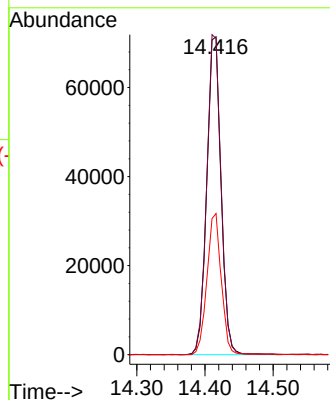
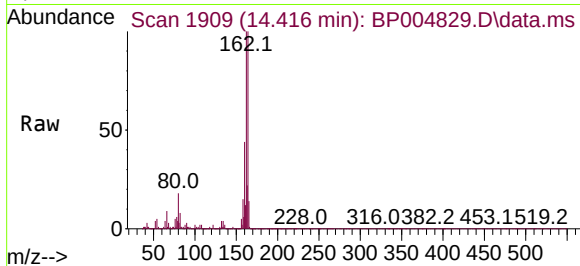




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.416 min Scan# 1909
Delta R.T. 0.006 min
Lab File: BP004829.D
Acq: 19 Feb 2021 19:14

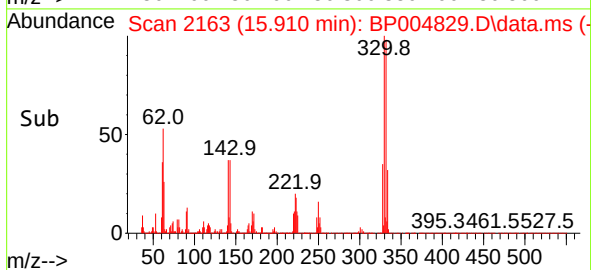
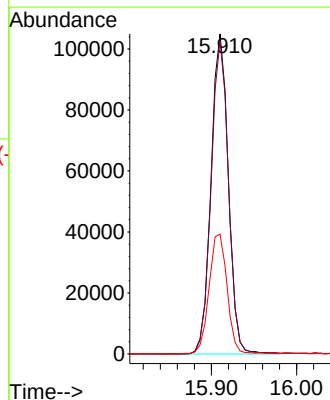
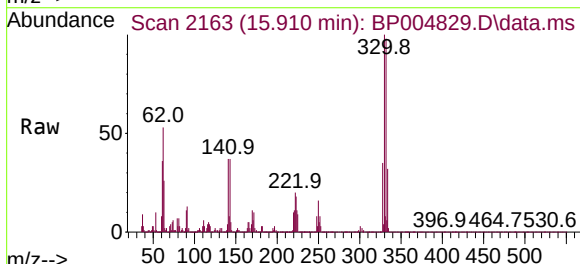
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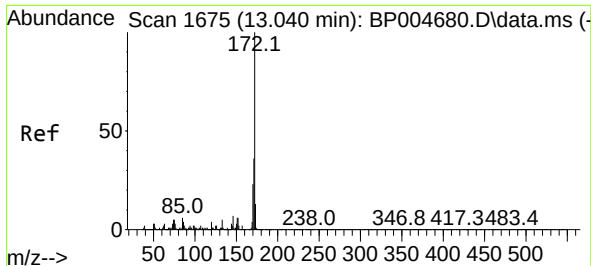
Tgt Ion:164 Resp: 103878
Ion Ratio Lower Upper
164 100
162 99.5 79.4 119.2
160 44.4 36.1 54.1



#42
2,4,6-Tribromophenol
Concen: 107.23 ng
RT: 15.910 min Scan# 2163
Delta R.T. 0.000 min
Lab File: BP004829.D
Acq: 19 Feb 2021 19:14

Tgt Ion:330 Resp: 147993
Ion Ratio Lower Upper
330 100
332 98.1 77.1 115.7
141 39.2 23.4 35.2#

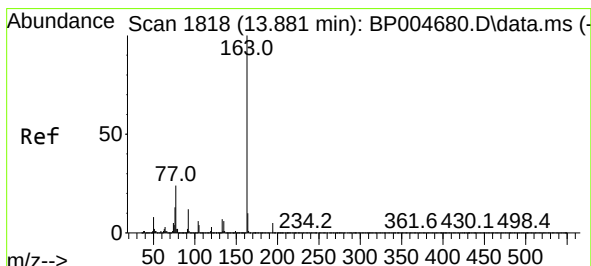
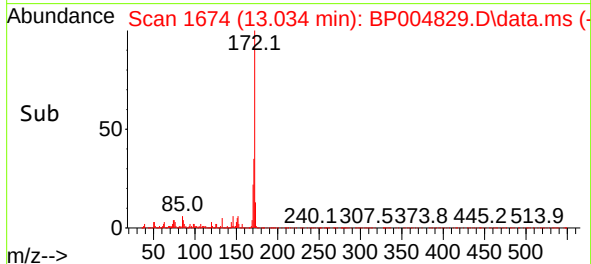
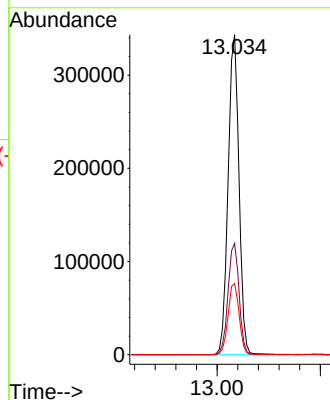
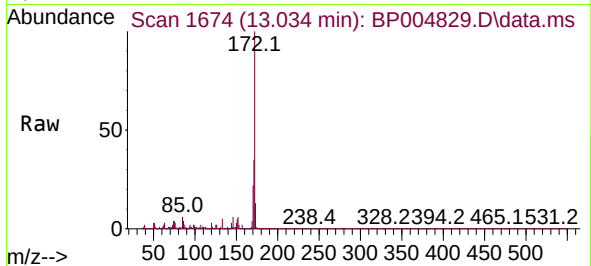




#45
2-Fluorobiphenyl
Concen: 58.90 ng
RT: 13.034 min Scan# 1674
Delta R.T. 0.006 min
Lab File: BP004829.D
Acq: 19 Feb 2021 19:14

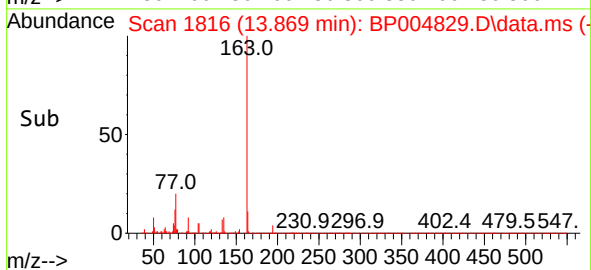
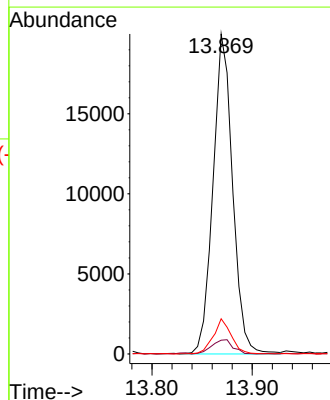
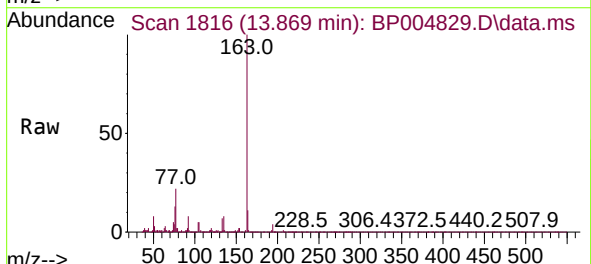
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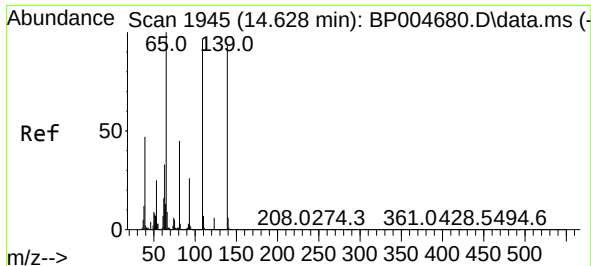
Tgt Ion:172	Resp:	500561
Ion Ratio	Lower	Upper
172	100	
171	34.8	28.5 42.7
170	22.2	19.2 28.8



#50
Dimethylphthalate
Concen: 2.96 ng
RT: 13.869 min Scan# 1816
Delta R.T. -0.005 min
Lab File: BP004829.D
Acq: 19 Feb 2021 19:14

Tgt Ion:163	Resp:	27076
Ion Ratio	Lower	Upper
163	100	
194	4.3	3.3 4.9
164	11.0	8.2 12.2

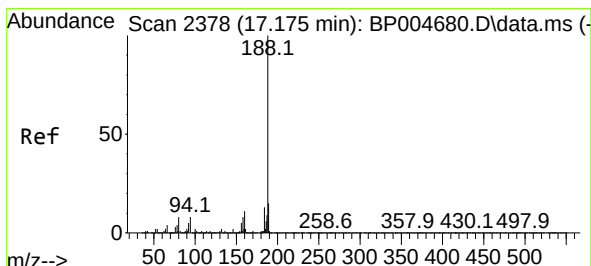
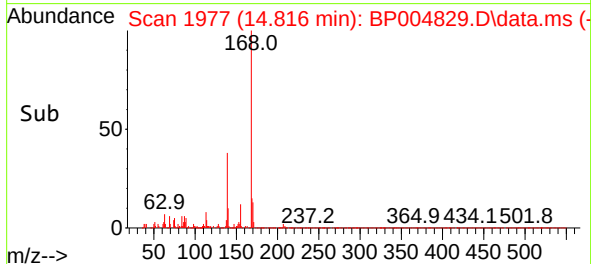
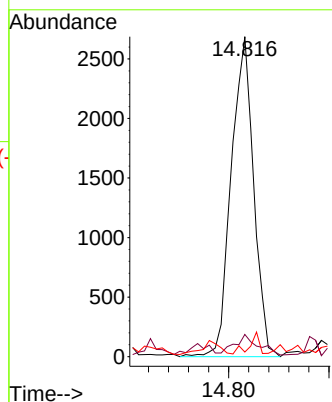
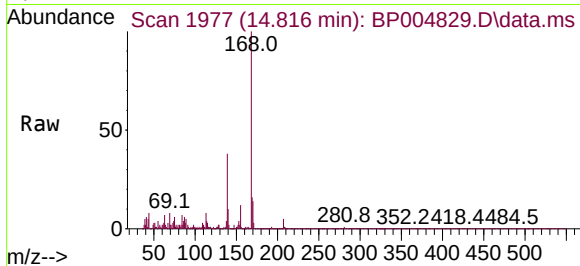




#56
4-Nitrophenol
Concen: 2.78 ng
RT: 14.816 min Scan# 1977
Delta R.T. 0.171 min
Lab File: BP004829.D
Acq: 19 Feb 2021 19:14

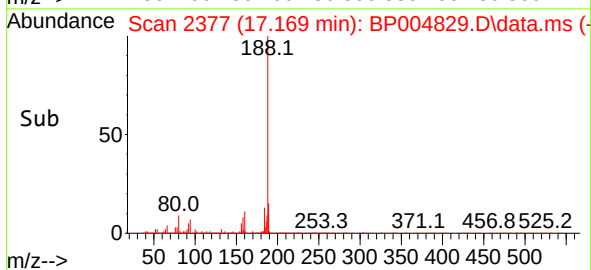
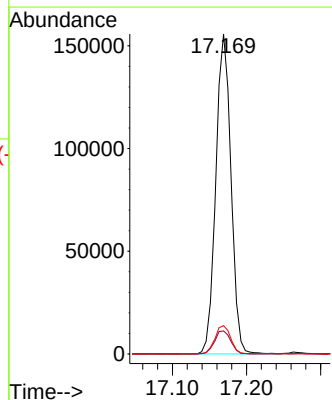
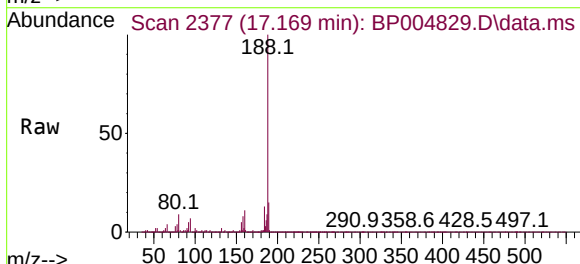
Instrument :
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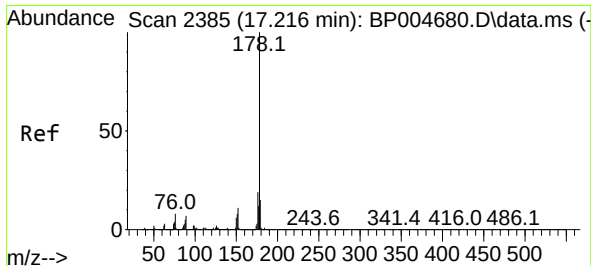
Tgt Ion:	139	Resp:	4174
Ion	Ratio	Lower	Upper
139	100		
109	6.9	44.6	84.6#
65	1.4	41.6	81.6#



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.169 min Scan# 2377
Delta R.T. 0.006 min
Lab File: BP004829.D
Acq: 19 Feb 2021 19:14

Tgt Ion:	188	Resp:	221050
Ion	Ratio	Lower	Upper
188	100		
94	7.2	6.2	9.2
80	8.9	6.2	9.2

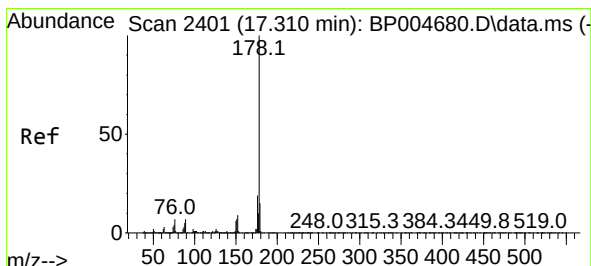
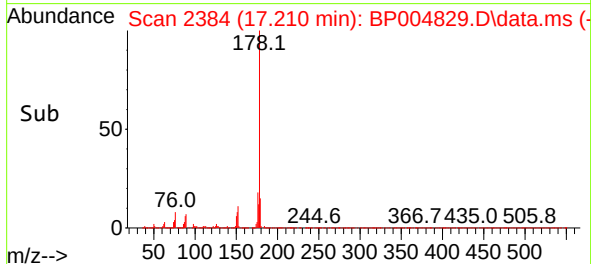
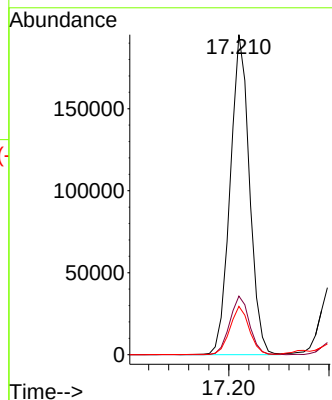
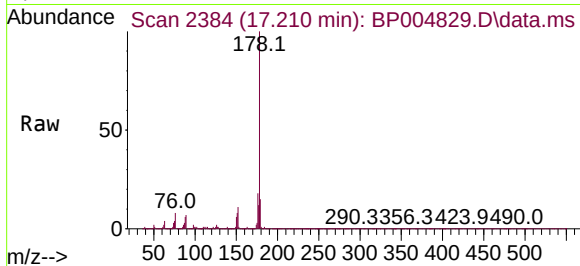




#71
Phenanthrene
Concen: 19.26 ng
RT: 17.210 min Scan# 2384
Delta R.T. 0.000 min
Lab File: BP004829.D
Acq: 19 Feb 2021 19:14

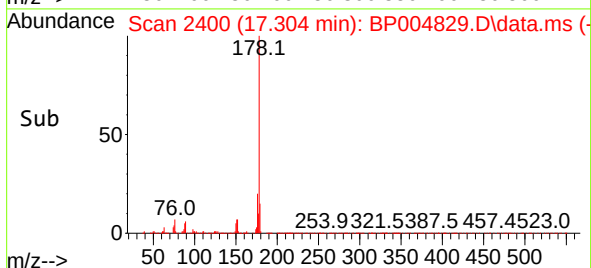
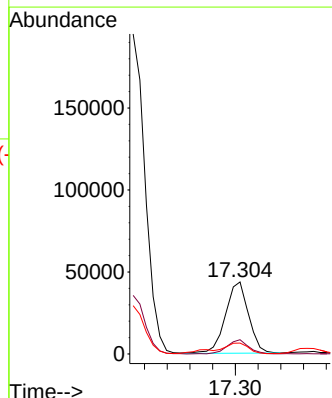
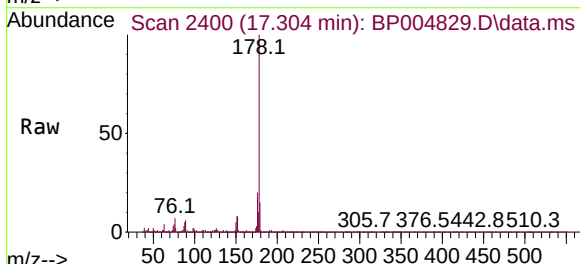
Instrument :
BNA_P
ClientSampleId :
SP-142-150

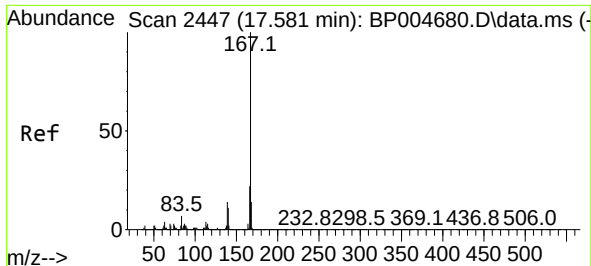
Tgt Ion:178 Resp: 260736
Ion Ratio Lower Upper
178 100
176 18.3 15.3 22.9
179 15.1 12.5 18.7



#72
Anthracene
Concen: 4.72 ng
RT: 17.304 min Scan# 2400
Delta R.T. 0.006 min
Lab File: BP004829.D
Acq: 19 Feb 2021 19:14

Tgt Ion:178 Resp: 61403
Ion Ratio Lower Upper
178 100
176 19.7 15.0 22.4
179 15.1 12.5 18.7

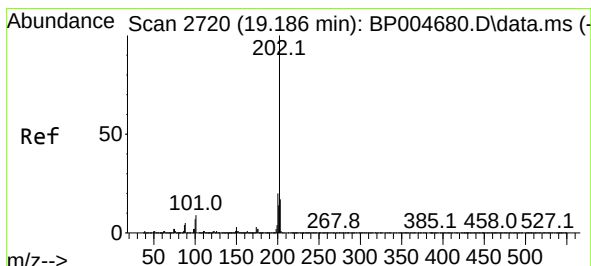
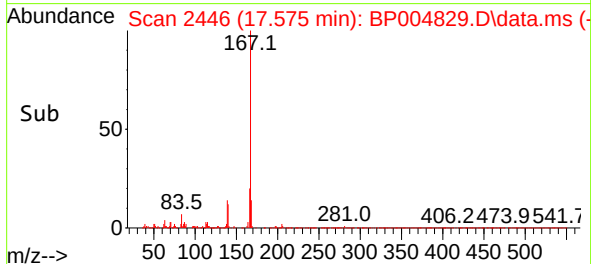
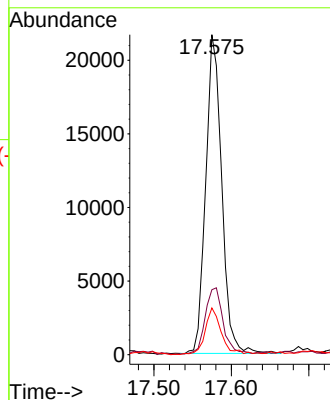
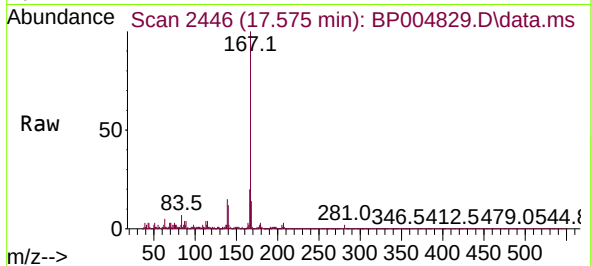




#73
 Carbazole
 Concen: 2.60 ng
 RT: 17.575 min Scan# 2446
 Delta R.T. 0.000 min
 Lab File: BP004829.D
 Acq: 19 Feb 2021 19:14

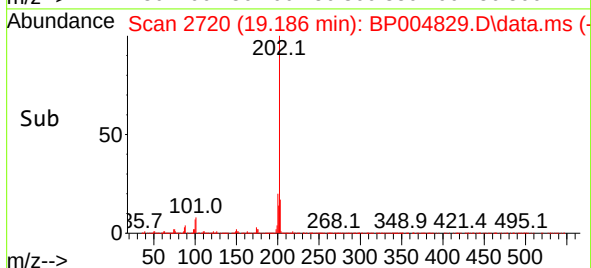
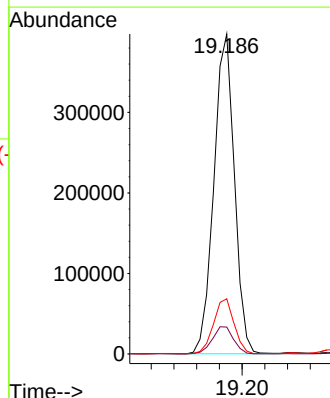
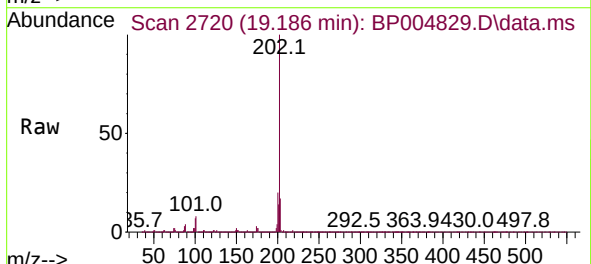
Instrument :
 BNA_P
 ClientSampleId :
 SP-142-150

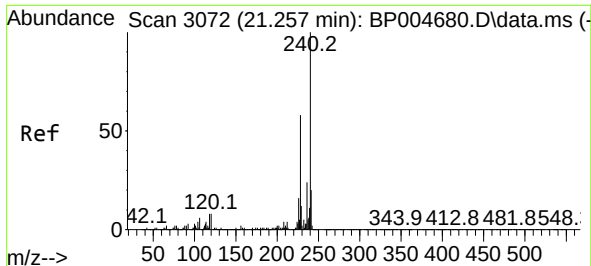
Tgt Ion:	167	Resp:	31085
Ion Ratio	Lower	Upper	
167	100		
166	20.3	17.6	26.4
139	14.6	10.2	15.4



#75
 Fluoranthene
 Concen: 30.93 ng
 RT: 19.186 min Scan# 2720
 Delta R.T. 0.006 min
 Lab File: BP004829.D
 Acq: 19 Feb 2021 19:14

Tgt Ion:	202	Resp:	498803
Ion Ratio	Lower	Upper	
202	100		
101	8.4	0.0	29.4
203	17.3	0.0	37.8

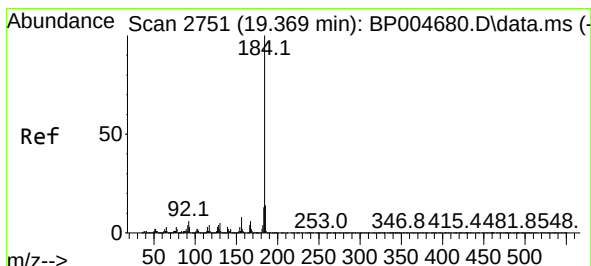
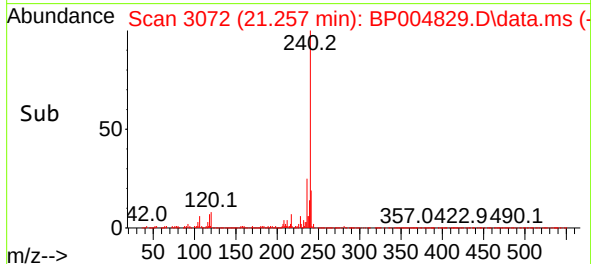
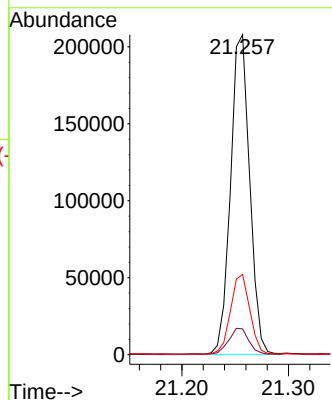
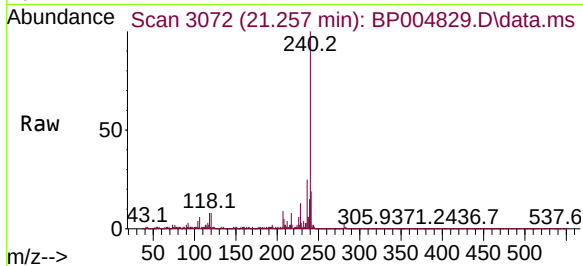




#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.257 min Scan# 3072
Delta R.T. 0.006 min
Lab File: BP004829.D
Acq: 19 Feb 2021 19:14

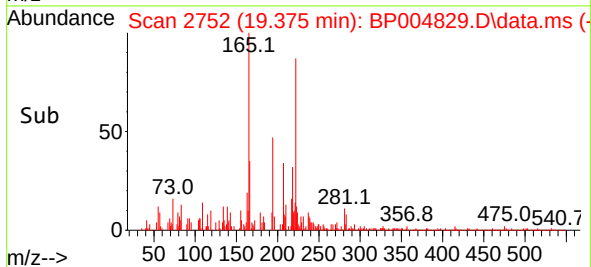
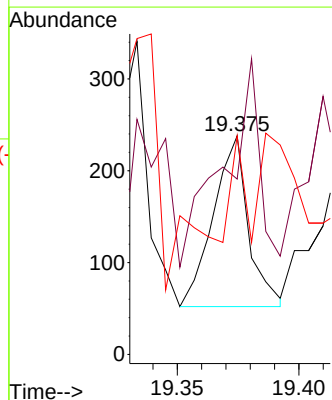
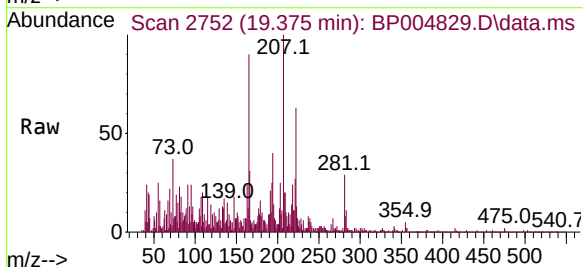
Instrument :
BNA_P
ClientSampleId :
SP-142-150

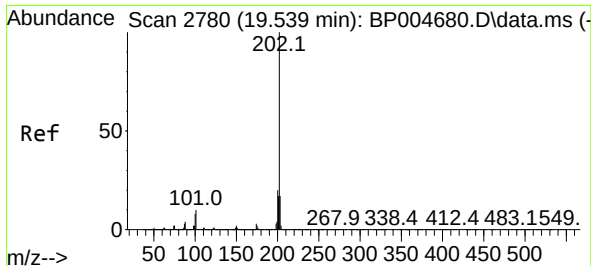
Tgt Ion:240 Resp: 259778
Ion Ratio Lower Upper
240 100
120 8.1 7.8 11.6
236 25.1 20.8 31.2



#77
Benzidine
Concen: 2.17 ng
RT: 19.375 min Scan# 2752
Delta R.T. 0.012 min
Lab File: BP004829.D
Acq: 19 Feb 2021 19:14

Tgt Ion:184 Resp: 186
Ion Ratio Lower Upper
184 100
185 80.3 11.5 17.3#
183 100.0 9.6 14.4#

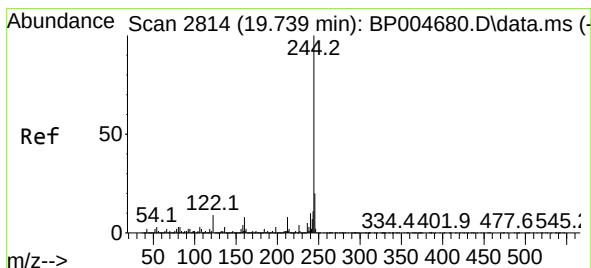
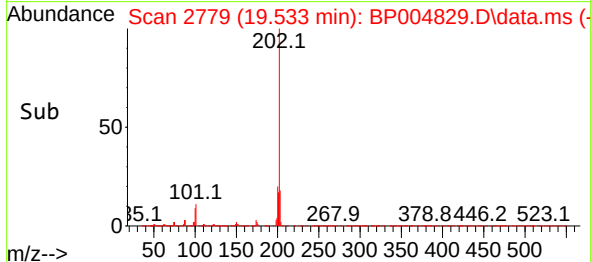
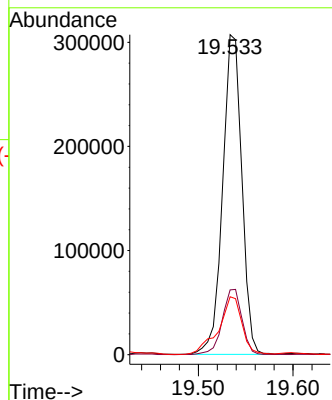
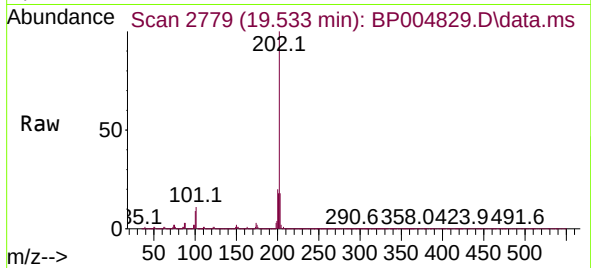




#78
Pyrene
Concen: 23.62 ng
RT: 19.533 min Scan# 2779
Delta R.T. 0.000 min
Lab File: BP004829.D
Acq: 19 Feb 2021 19:14

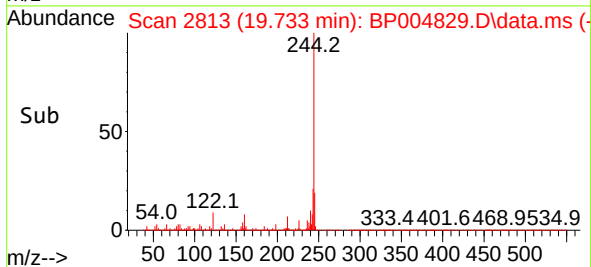
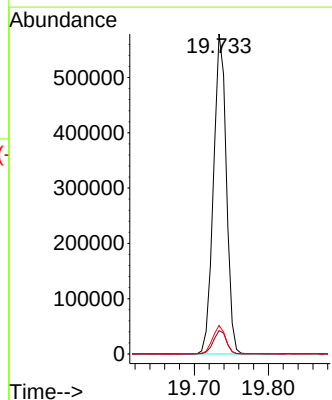
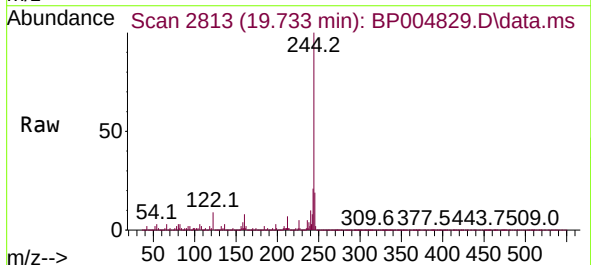
Instrument :
BNA_P
ClientSampleId :
SP-142-150

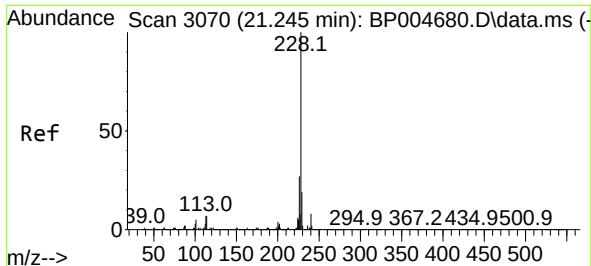
Tgt Ion:202 Resp: 432688
Ion Ratio Lower Upper
202 100
200 20.3 17.1 25.7
203 18.1 14.2 21.2



#79
Terphenyl-d14
Concen: 45.06 ng
RT: 19.733 min Scan# 2813
Delta R.T. 0.000 min
Lab File: BP004829.D
Acq: 19 Feb 2021 19:14

Tgt Ion:244 Resp: 696813
Ion Ratio Lower Upper
244 100
212 7.3 5.8 8.6
122 8.9 7.8 11.8

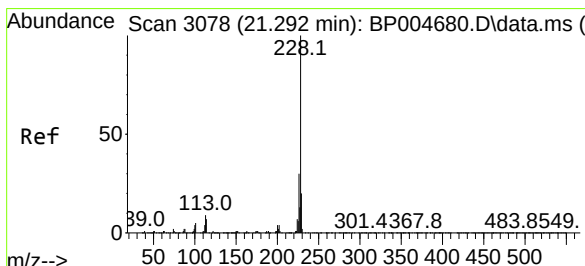
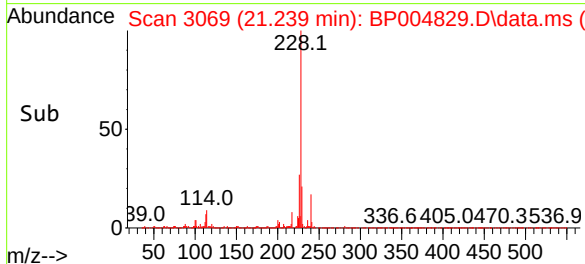
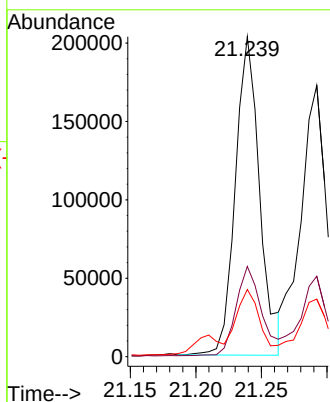
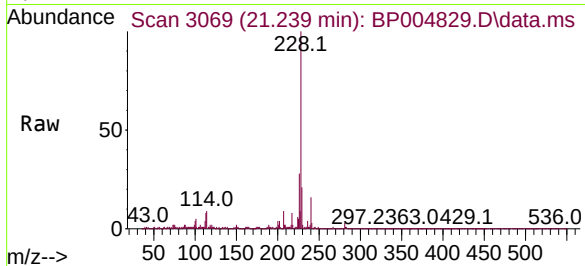




#81
Benzo(a)anthracene
Concen: 14.22 ng
RT: 21.239 min Scan# 3069
Delta R.T. 0.000 min
Lab File: BP004829.D
Acq: 19 Feb 2021 19:14

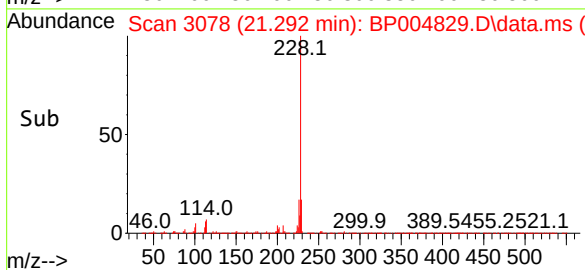
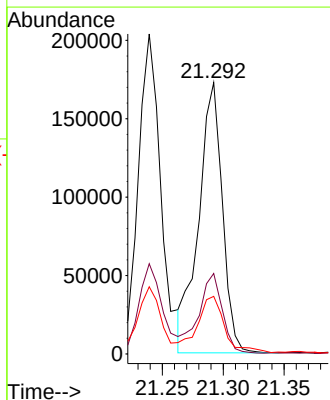
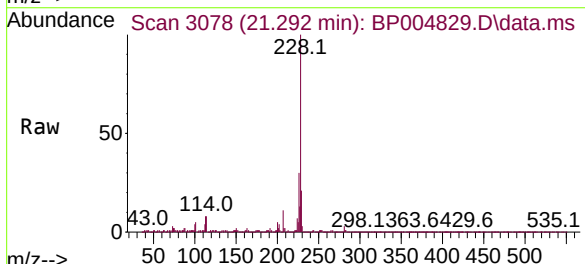
Instrument :
BNA_P
ClientSampled :
SP-142-150

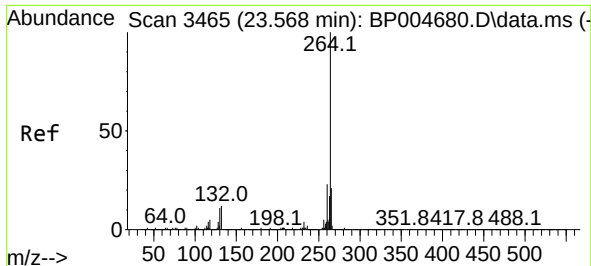
Tgt Ion:228 Resp: 261937
Ion Ratio Lower Upper
228 100
226 28.2 22.1 33.1
229 21.0 15.9 23.9



#83
Chrysene
Concen: 13.13 ng
RT: 21.292 min Scan# 3078
Delta R.T. 0.006 min
Lab File: BP004829.D
Acq: 19 Feb 2021 19:14

Tgt Ion:228 Resp: 234244
Ion Ratio Lower Upper
228 100
226 29.6 24.4 36.6
229 21.2 15.8 23.6

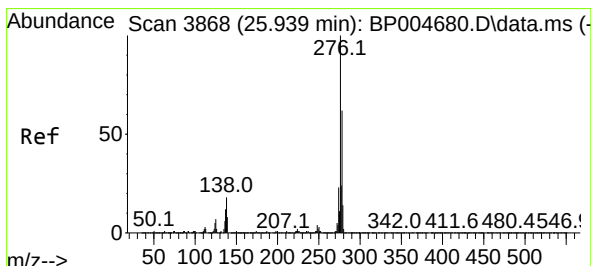
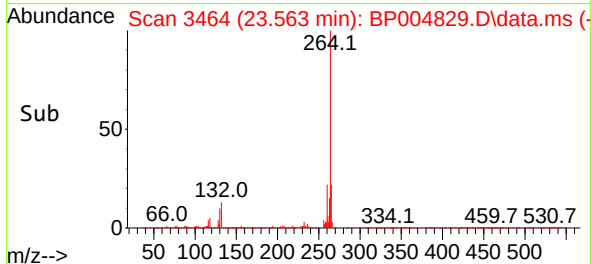
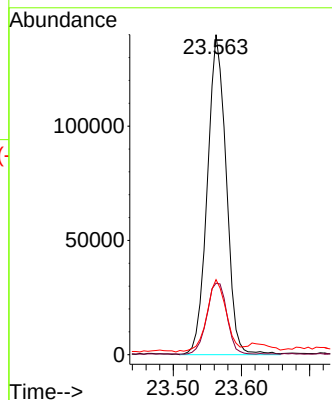
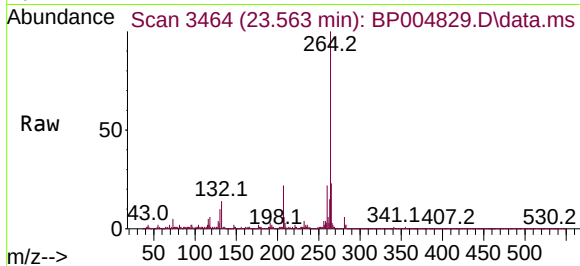




#86
Perylene-d12
Concen: 20.00 ng
RT: 23.563 min Scan# 3464
Delta R.T. 0.006 min
Lab File: BP004829.D
Acq: 19 Feb 2021 19:14

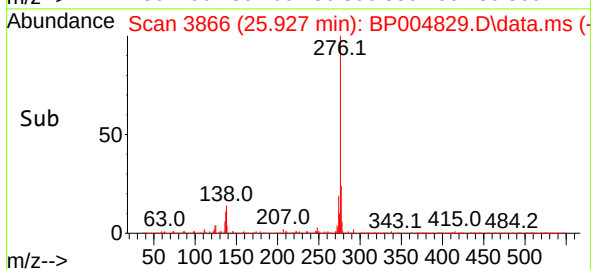
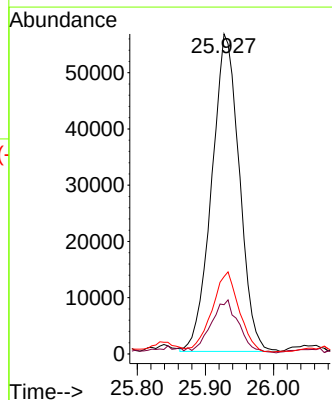
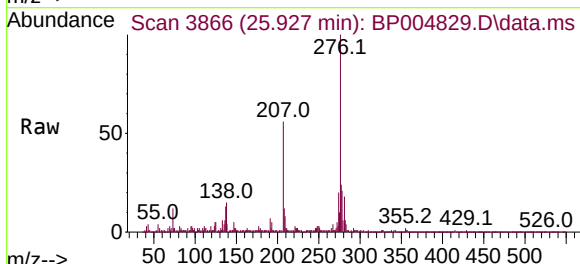
Instrument :
BNA_P
ClientSampleId :
SP-142-150

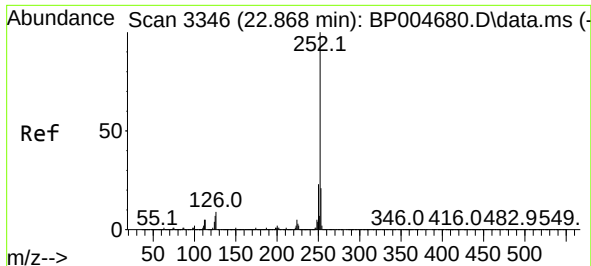
Tgt Ion:	264	Resp:	269879
Ion Ratio	Lower	Upper	
264	100		
260	22.3	18.8	28.2
265	23.5	17.4	26.2



#87
Indeno(1,2,3-cd)pyrene
Concen: 7.39 ng
RT: 25.927 min Scan# 3866
Delta R.T. 0.000 min
Lab File: BP004829.D
Acq: 19 Feb 2021 19:14

Tgt Ion:	276	Resp:	159309
Ion Ratio	Lower	Upper	
276	100		
138	16.5	18.7	28.1#
277	24.8	20.4	30.6

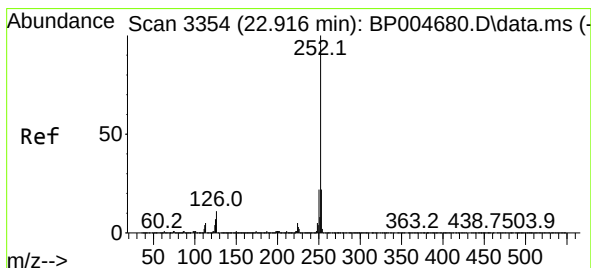
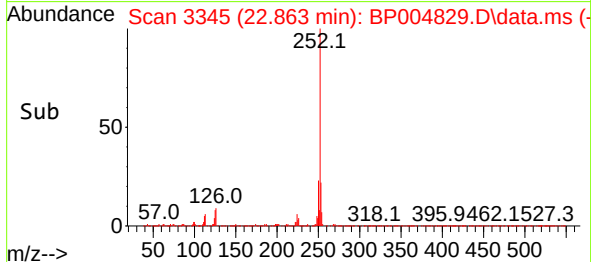
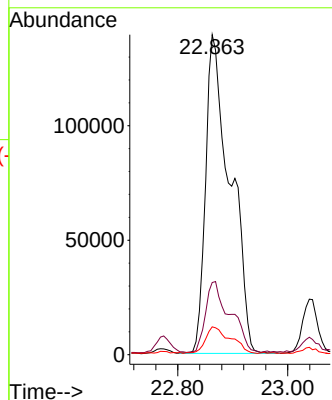
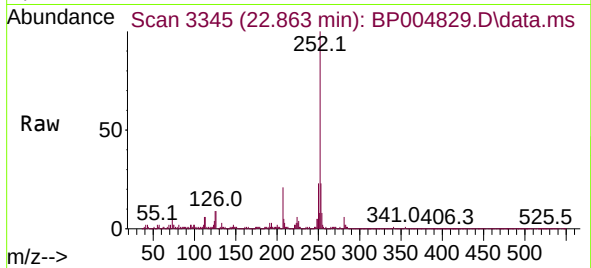




#88
Benzo(b)fluoranthene
Concen: 21.90 ng
RT: 22.863 min Scan# 3345
Delta R.T. 0.006 min
Lab File: BP004829.D
Acq: 19 Feb 2021 19:14

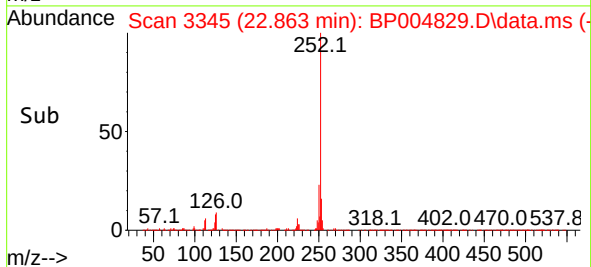
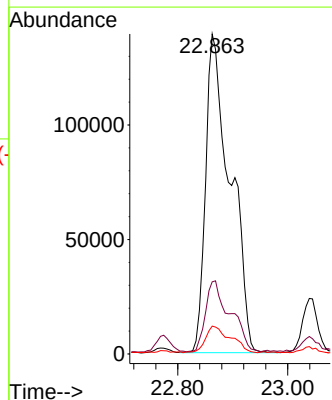
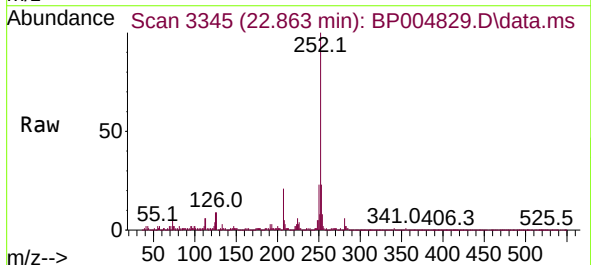
Instrument :
BNA_P
ClientSampleId :
SP-142-150

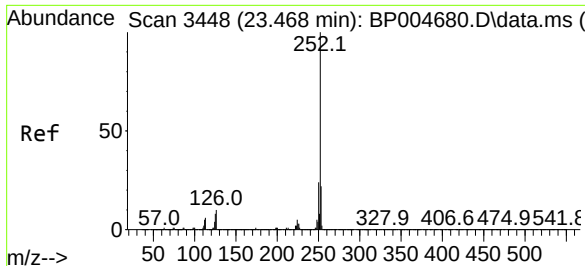
Tgt Ion:252 Resp: 432851
Ion Ratio Lower Upper
252 100
253 22.5 17.6 26.4
125 8.7 7.3 10.9



#89
Benzo(k)fluoranthene
Concen: 22.81 ng
RT: 22.863 min Scan# 3345
Delta R.T. -0.041 min
Lab File: BP004829.D
Acq: 19 Feb 2021 19:14

Tgt Ion:252 Resp: 432851
Ion Ratio Lower Upper
252 100
253 22.5 17.8 26.8
125 8.7 7.4 11.2

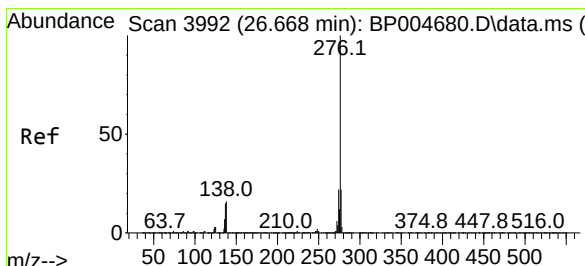
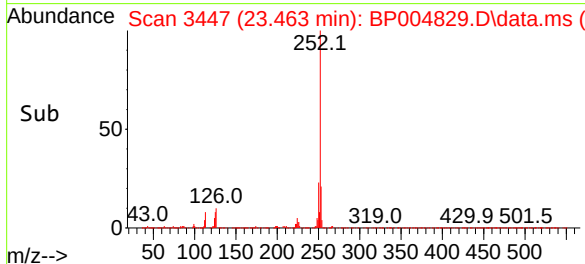
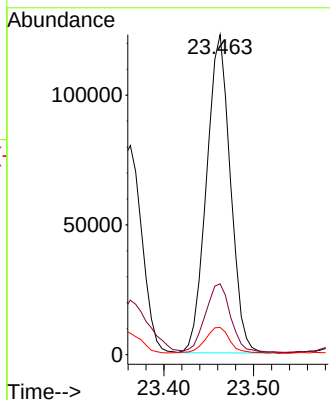
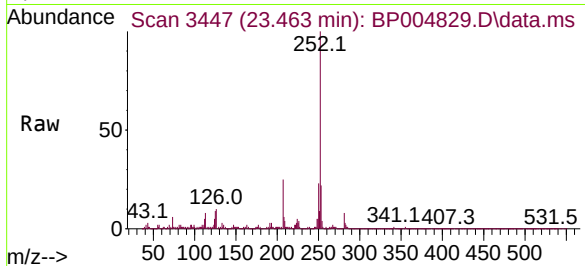




#90
Benzo(a)pyrene
Concen: 12.68 ng
RT: 23.463 min Scan# 3447
Delta R.T. 0.006 min
Lab File: BP004829.D
Acq: 19 Feb 2021 19:14

Instrument :
BNA_P
ClientSampleId :
SP-142-150

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.4	26.0
125	8.5	8.2	12.4



#92
Benzo(g,h,i)perylene
Concen: 8.94 ng
RT: 26.657 min Scan# 3990
Delta R.T. 0.006 min
Lab File: BP004829.D
Acq: 19 Feb 2021 19:14

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.9	19.0	28.6
138	15.8	16.6	24.8

