

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP100621\
 Data File : BP007366.D
 Acq On : 06 Oct 2021 21:59
 Operator : CG/JU
 Sample : M4067-01DL 10X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SU-02-100421DL

Quant Time: Oct 07 01:48:41 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP092121.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 01 12:49:05 2021
 Response via : Initial Calibration

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

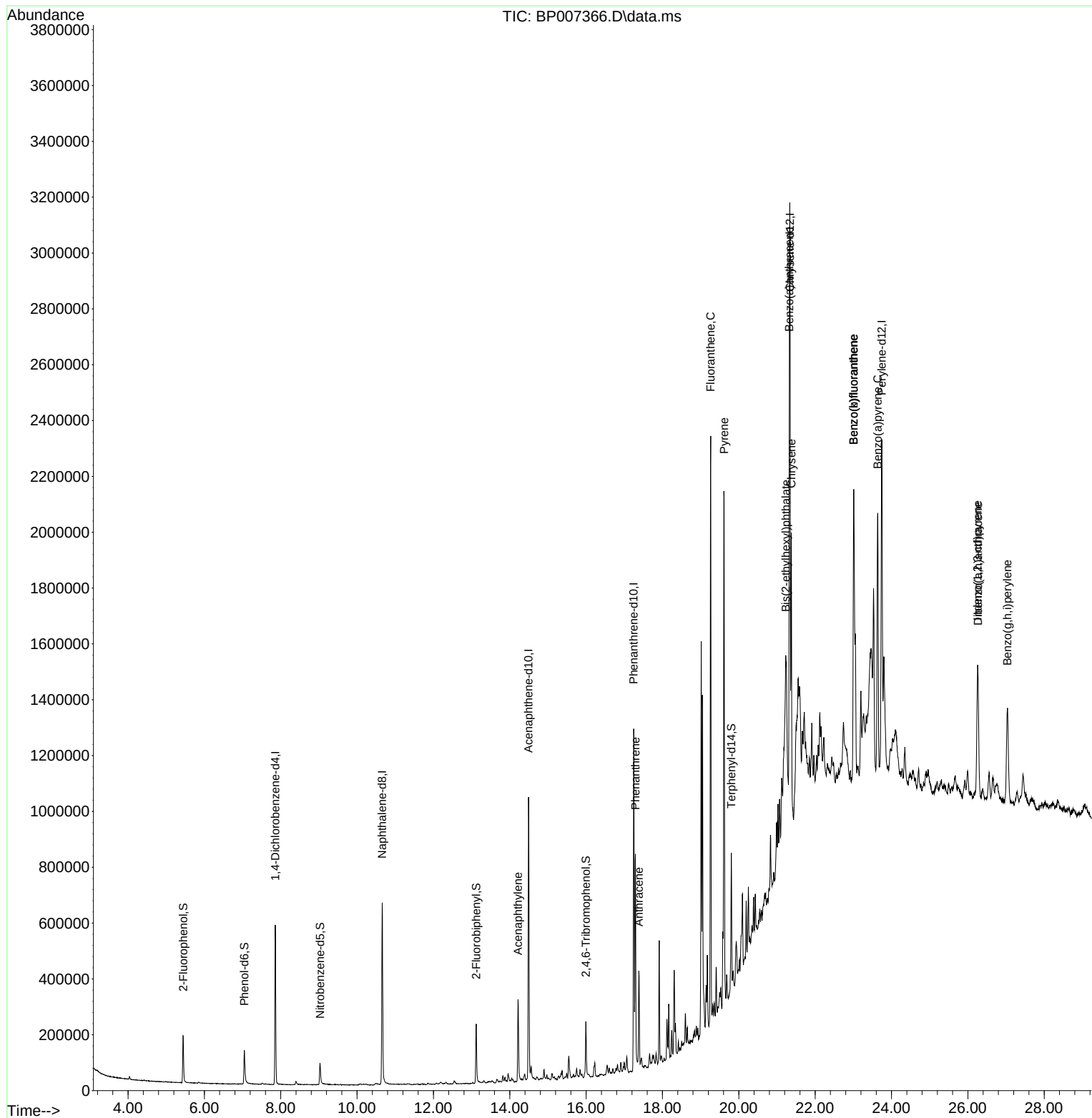
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.858	152	162521	20.000	ng	0.00
21) Naphthalene-d8	10.658	136	606045	20.000	ng	# 0.00
39) Acenaphthene-d10	14.493	164	374450	20.000	ng	0.00
64) Phenanthrene-d10	17.245	188	795884	20.000	ng	# 0.00
76) Chrysene-d12	21.339	240	828031	20.000	ng	0.00
86) Perylene-d12	23.745	264	900030	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.446	112	88310	9.096	ng	0.00
7) Phenol-d6	7.046	99	94888	7.151	ng	0.00
23) Nitrobenzene-d5	9.028	82	57563	5.531	ng	0.00
42) 2,4,6-Tribromophenol	15.993	330	37677	7.761	ng	0.00
45) 2-Fluorobiphenyl	13.122	172	140237	5.365	ng	0.00
79) Terphenyl-d14	19.804	244	222697	5.154	ng	0.00
Target Compounds						
						Qvalue
49) Acenaphthylene	14.216	152	247063	7.435	ng	100
71) Phenanthrene	17.292	178	492090	11.531	ng	99
72) Anthracene	17.381	178	228249	5.468	ng	99
75) Fluoranthene	19.263	202	1244837	25.319	ng	98
78) Pyrene	19.616	202	1154726	21.255	ng	99
81) Benzo(a)anthracene	21.322	228	675750	12.573	ng	96
83) Chrysene	21.375	228	586975	11.427	ng	96
84) Bis(2-ethylhexyl)phtha...	21.233	149	115158	3.682	ng	# 73
87) Indeno(1,2,3-cd)pyrene	26.257	276	502858	7.774	ng	98
88) Benzo(b)fluoranthene	23.010	252	940222	17.480	ng	# 96
89) Benzo(k)fluoranthene	23.010	252	940222	17.265	ng	# 96
90) Benzo(a)pyrene	23.639	252	720592	15.769	ng	# 97
91) Dibenzo(a,h)anthracene	26.263	278	133608	2.465	ng	# 84
92) Benzo(g,h,i)perylene	27.033	276	474662	8.973	ng	# 93

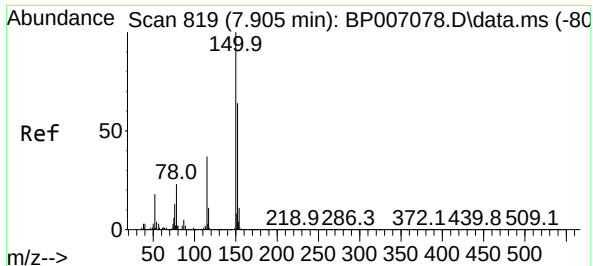
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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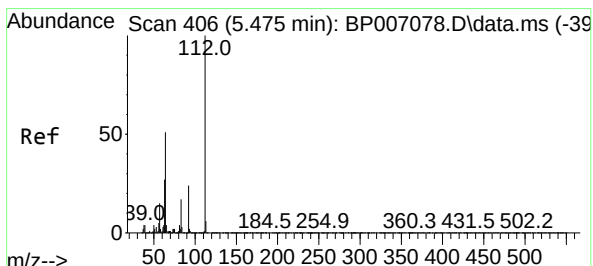
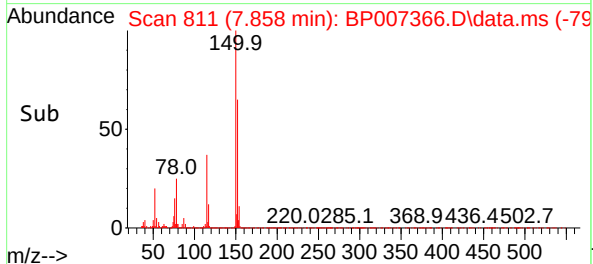
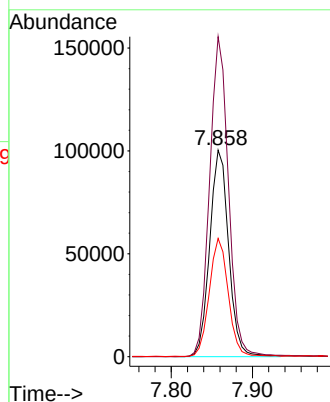
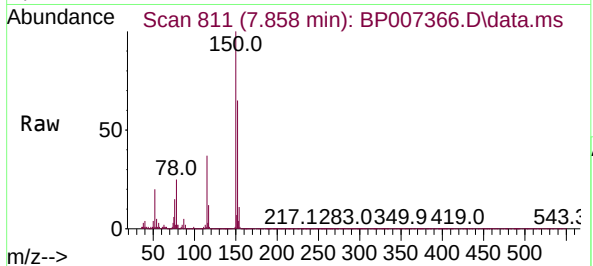




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.858 min Scan# 811
Delta R.T. -0.005 min
Lab File: BP007366.D
Acq: 06 Oct 2021 21:59

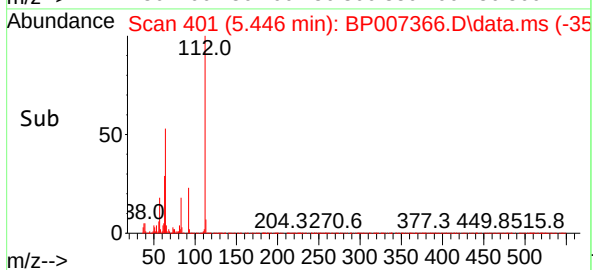
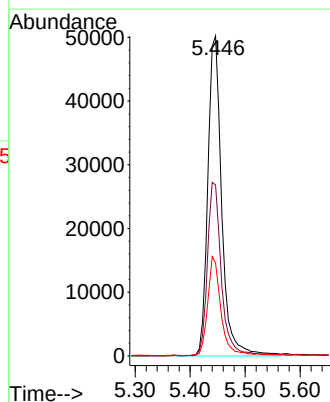
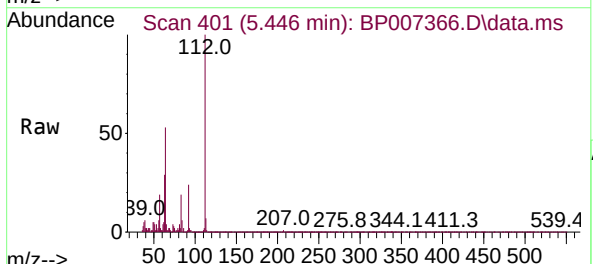
Instrument :
BNA_P
ClientSampleId :
SU-02-100421DL

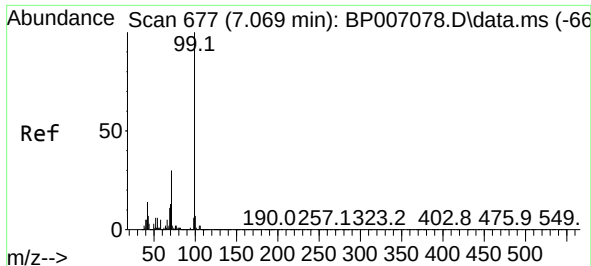
Tgt Ion:152 Resp: 162521
Ion Ratio Lower Upper
152 100
150 155.0 125.6 188.4
115 57.3 48.5 72.7



#5
2-Fluorophenol
Concen: 9.096 ng
RT: 5.446 min Scan# 401
Delta R.T. -0.005 min
Lab File: BP007366.D
Acq: 06 Oct 2021 21:59

Tgt Ion:112 Resp: 88310
Ion Ratio Lower Upper
112 100
64 53.5 41.4 62.2
63 29.0 23.8 35.8

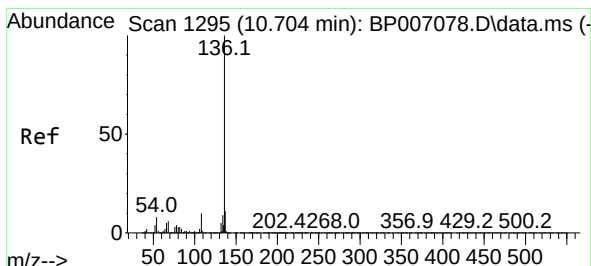
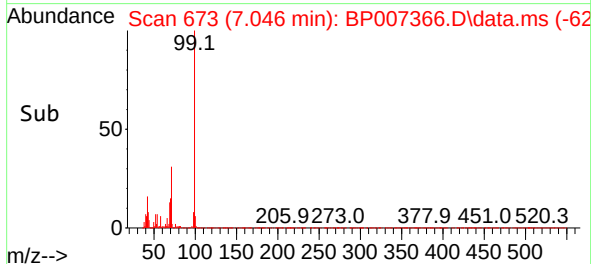
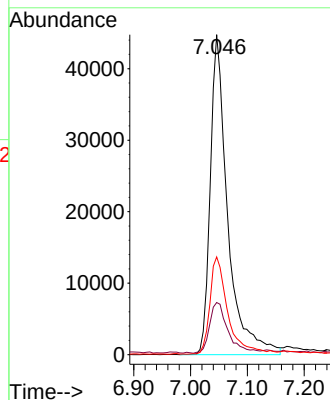
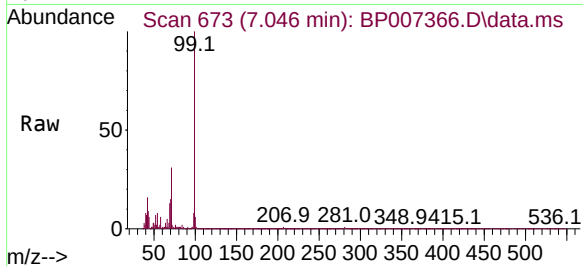




#7
Phenol-d6
Concen: 7.151 ng
RT: 7.046 min Scan# 673
Delta R.T. -0.005 min
Lab File: BP007366.D
Acq: 06 Oct 2021 21:59

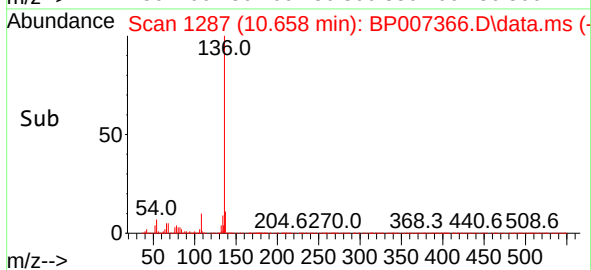
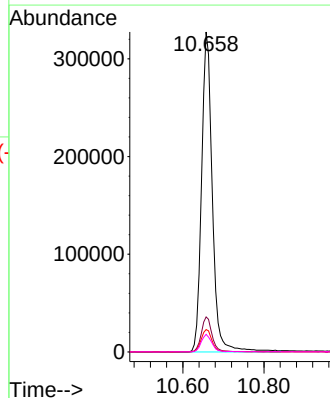
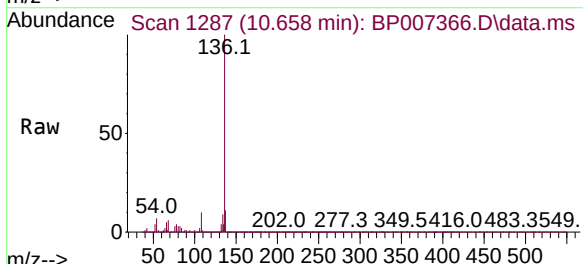
Instrument :
BNA_P
ClientSampleId :
SU-02-100421DL

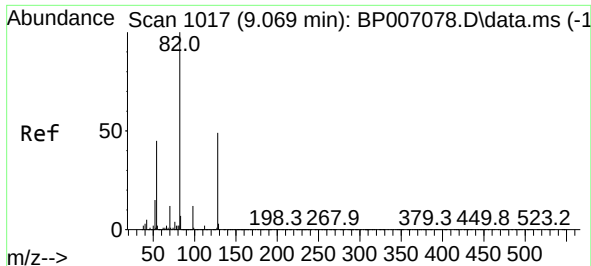
Tgt Ion:	99	Resp:	94888
Ion	Ratio	Lower	Upper
99	100		
42	16.3	13.4	20.0
71	30.5	30.6	46.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.658 min Scan# 1287
Delta R.T. -0.005 min
Lab File: BP007366.D
Acq: 06 Oct 2021 21:59

Tgt Ion:	136	Resp:	606045
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	12.8
54	7.0	4.6	6.8#
68	5.5	3.6	5.4#





#23

Nitrobenzene-d5

Concen: 5.531 ng

RT: 9.028 min Scan# 1010

Delta R.T. 0.000 min

Lab File: BP007366.D

Acq: 06 Oct 2021 21:59

Instrument :

BNA_P

ClientSampleId :

SU-02-100421DL

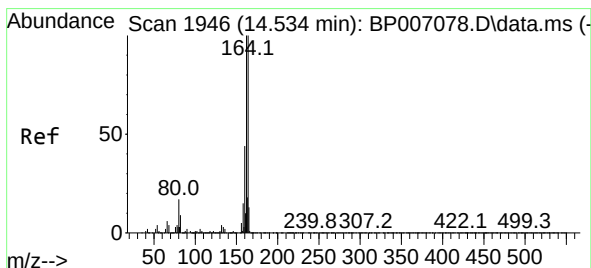
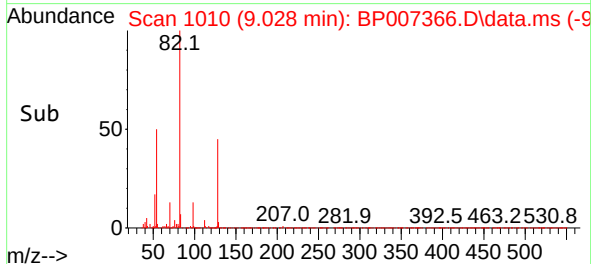
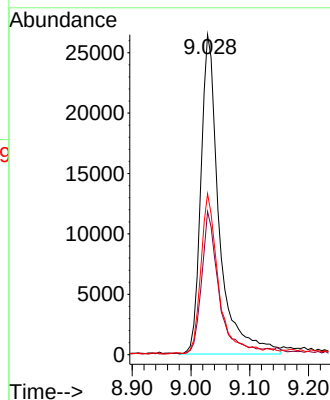
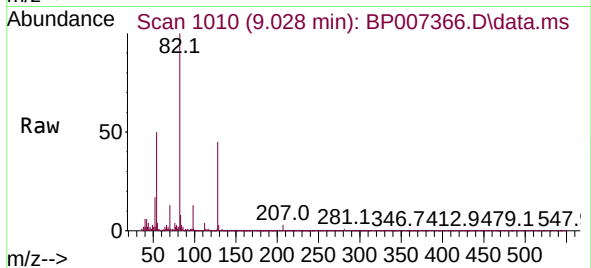
Tgt Ion: 82 Resp: 57563

Ion Ratio Lower Upper

82 100

128 44.7 35.7 53.5

54 50.3 35.0 52.4



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.493 min Scan# 1939

Delta R.T. -0.005 min

Lab File: BP007366.D

Acq: 06 Oct 2021 21:59

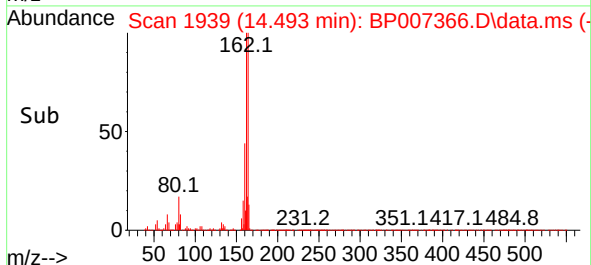
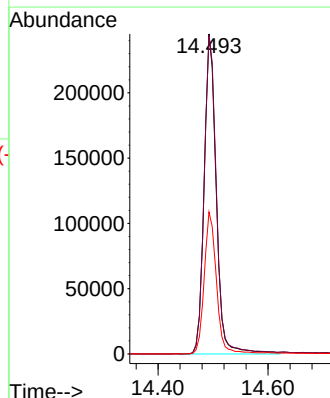
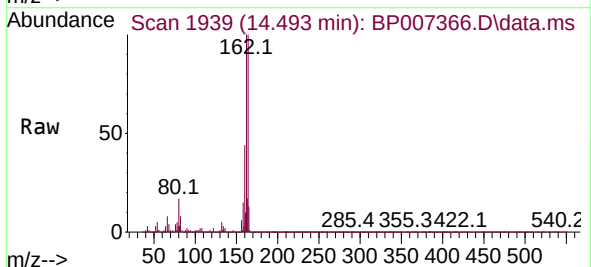
Tgt Ion:164 Resp: 374450

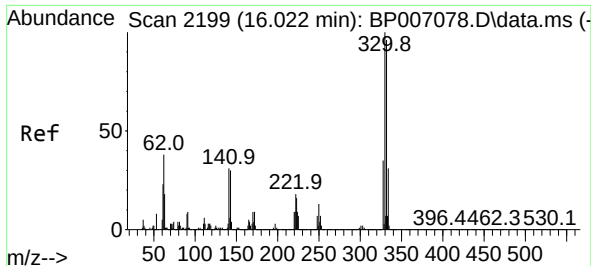
Ion Ratio Lower Upper

164 100

162 99.5 80.2 120.2

160 44.4 34.5 51.7

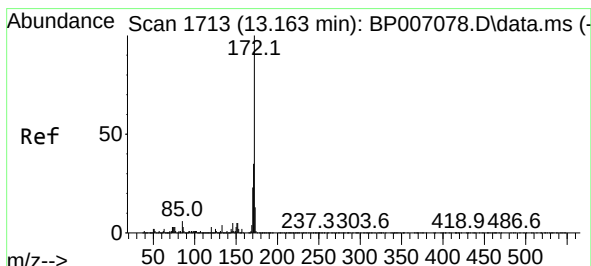
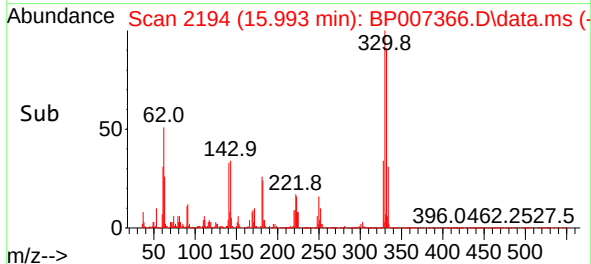
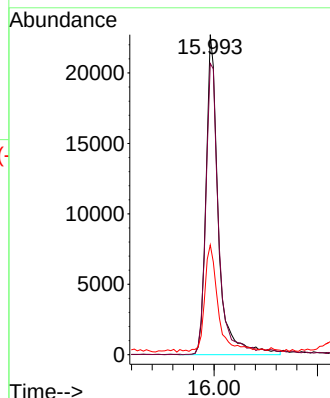
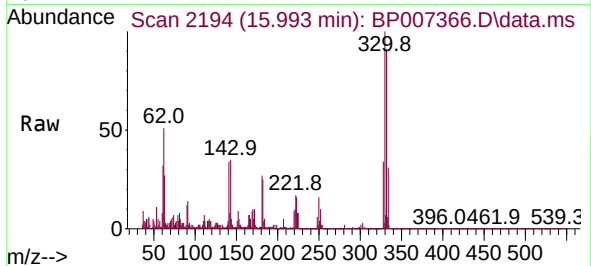




#42
2,4,6-Tribromophenol
Concen: 7.761 ng
RT: 15.993 min Scan# 2194
Delta R.T. -0.005 min
Lab File: BP007366.D
Acq: 06 Oct 2021 21:59

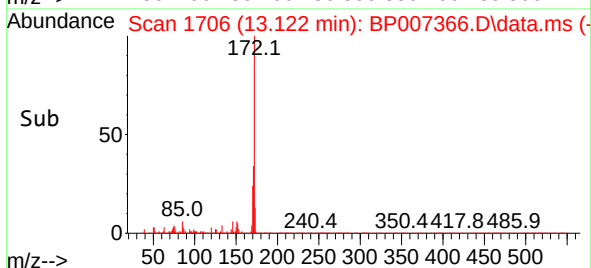
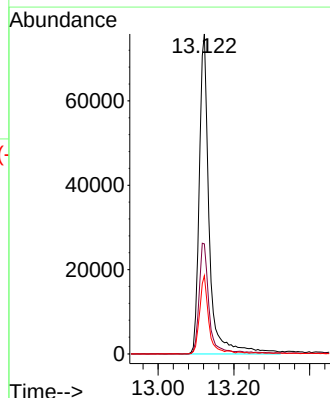
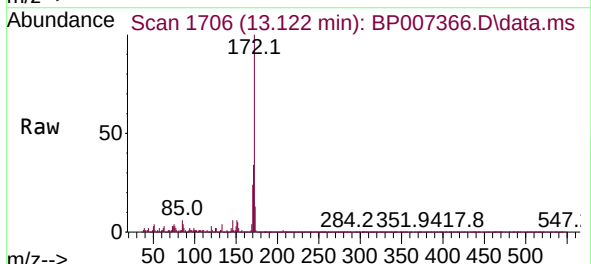
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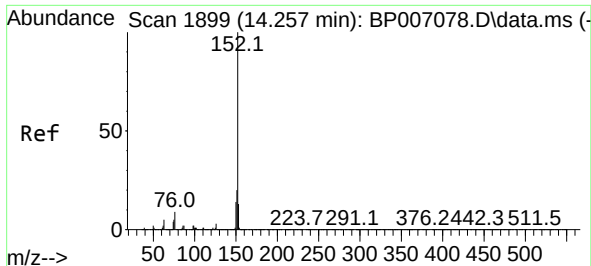
Tgt Ion:330 Resp: 37677
Ion Ratio Lower Upper
330 100
332 94.6 77.8 116.8
141 35.8 25.4 38.2



#45
2-Fluorobiphenyl
Concen: 5.365 ng
RT: 13.122 min Scan# 1706
Delta R.T. -0.005 min
Lab File: BP007366.D
Acq: 06 Oct 2021 21:59

Tgt Ion:172 Resp: 140237
Ion Ratio Lower Upper
172 100
171 34.4 27.9 41.9
170 24.5 18.6 27.8

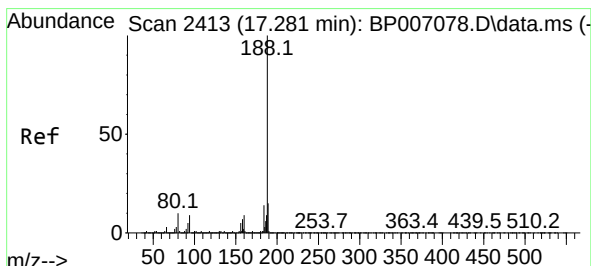
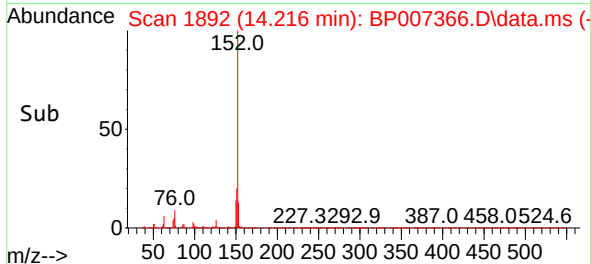
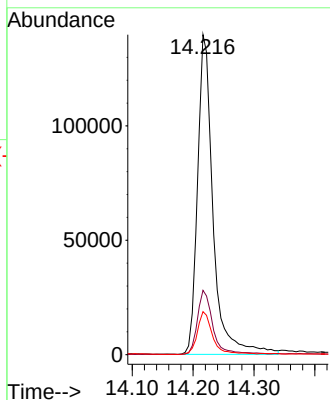
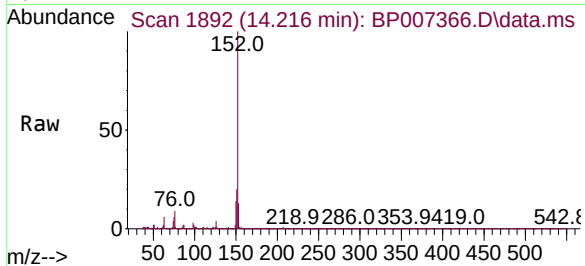




#49
Acenaphthylene
Concen: 7.435 ng
RT: 14.216 min Scan# 1892
Delta R.T. -0.005 min
Lab File: BP007366.D
Acq: 06 Oct 2021 21:59

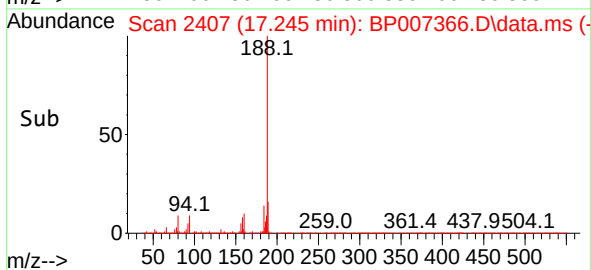
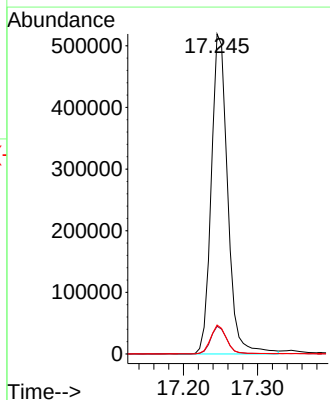
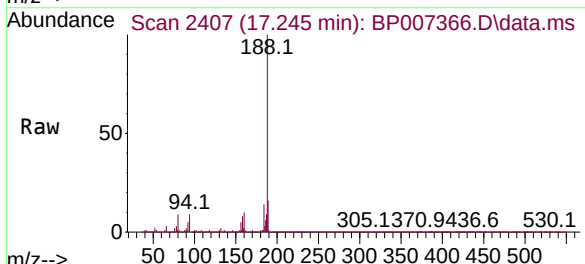
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ClientSampleId :
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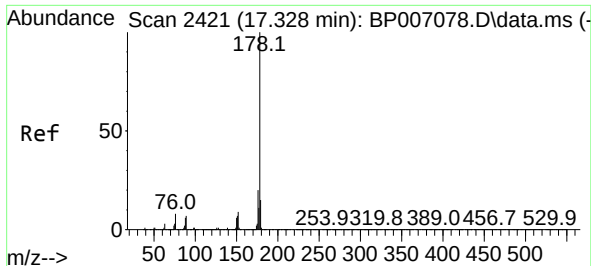
Tgt Ion:152 Resp: 247063
Ion Ratio Lower Upper
152 100
151 20.1 16.2 24.2
153 13.5 10.6 16.0



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.245 min Scan# 2407
Delta R.T. -0.005 min
Lab File: BP007366.D
Acq: 06 Oct 2021 21:59

Tgt Ion:188 Resp: 795884
Ion Ratio Lower Upper
188 100
94 8.7 5.6 8.4#
80 9.0 6.3 9.5

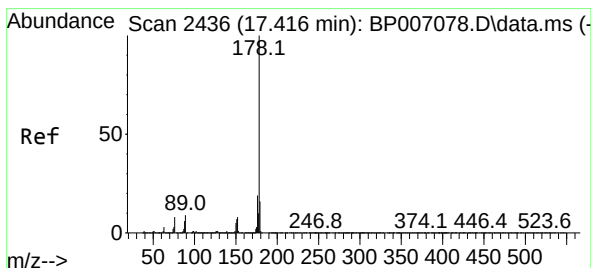
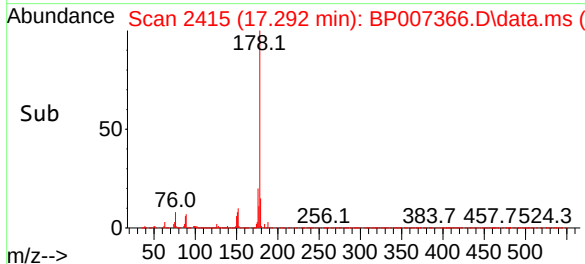
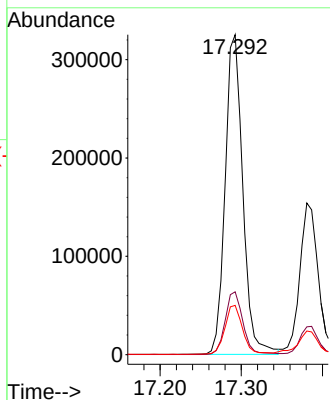
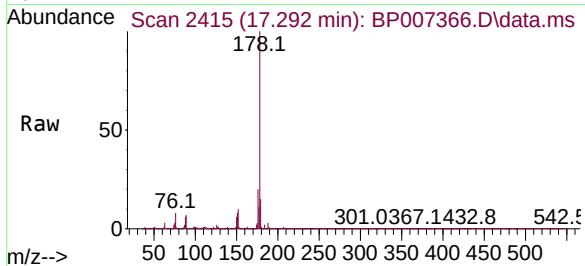




#71
Phenanthrene
Concen: 11.531 ng
RT: 17.292 min Scan# 2415
Delta R.T. -0.005 min
Lab File: BP007366.D
Acq: 06 Oct 2021 21:59

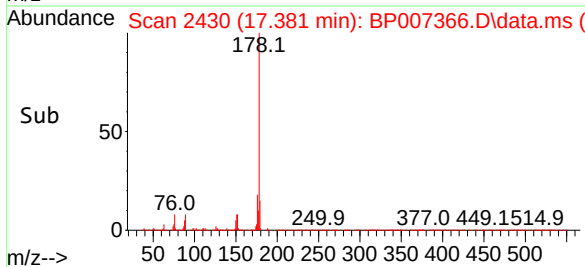
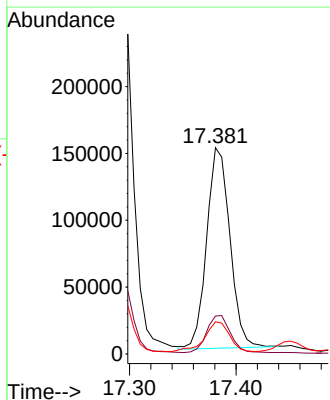
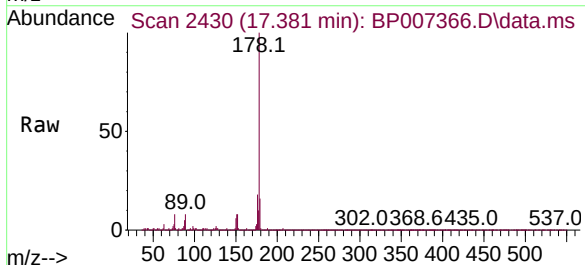
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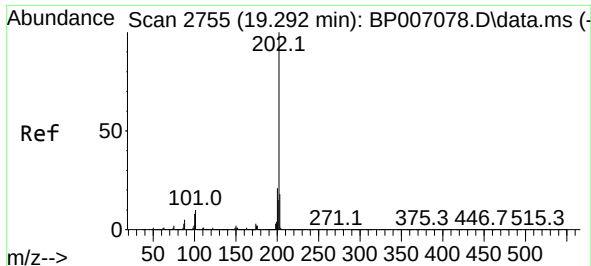
Tgt Ion:178 Resp: 492090
Ion Ratio Lower Upper
178 100
176 19.6 15.1 22.7
179 15.4 12.4 18.6



#72
Anthracene
Concen: 5.468 ng
RT: 17.381 min Scan# 2430
Delta R.T. -0.005 min
Lab File: BP007366.D
Acq: 06 Oct 2021 21:59

Tgt Ion:178 Resp: 228249
Ion Ratio Lower Upper
178 100
176 18.4 14.9 22.3
179 15.6 12.2 18.2

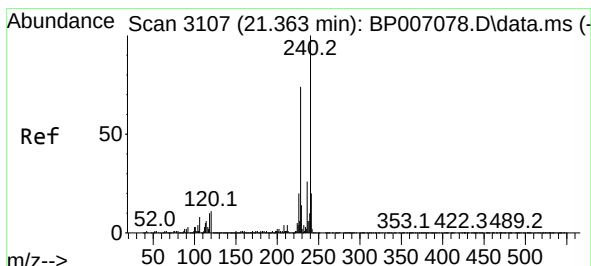
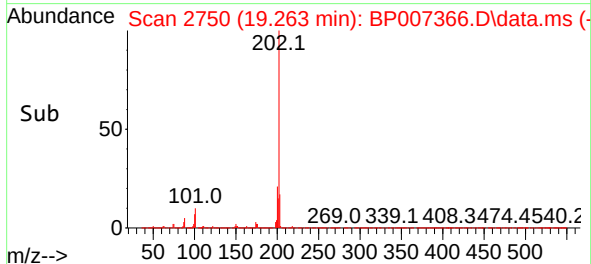
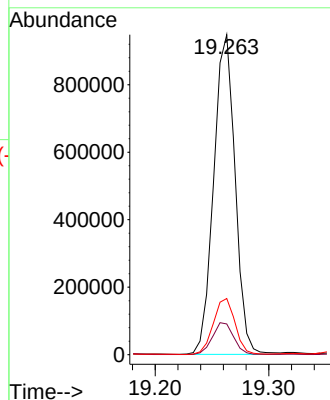
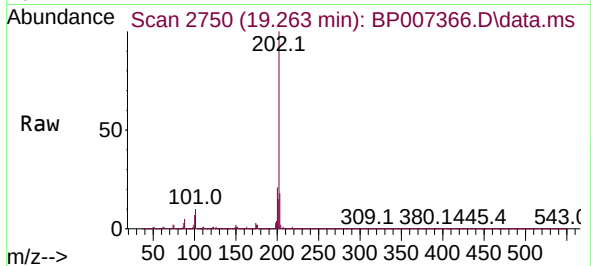




#75
Fluoranthene
Concen: 25.319 ng
RT: 19.263 min Scan# 2750
Delta R.T. 0.000 min
Lab File: BP007366.D
Acq: 06 Oct 2021 21:59

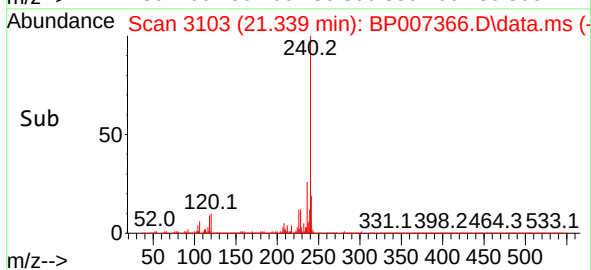
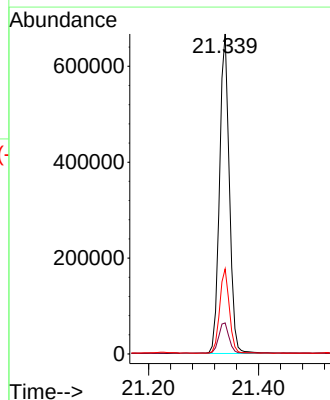
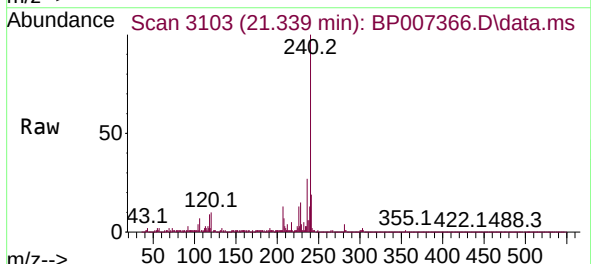
Instrument :
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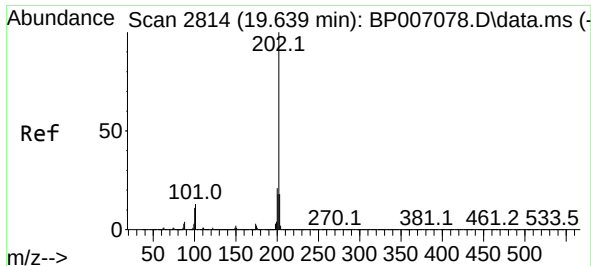
Tgt Ion:202 Resp: 1244837
Ion Ratio Lower Upper
202 100
101 9.6 0.0 27.6
203 17.6 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.339 min Scan# 3103
Delta R.T. 0.000 min
Lab File: BP007366.D
Acq: 06 Oct 2021 21:59

Tgt Ion:240 Resp: 828031
Ion Ratio Lower Upper
240 100
120 9.7 6.5 9.7
236 26.6 20.6 31.0

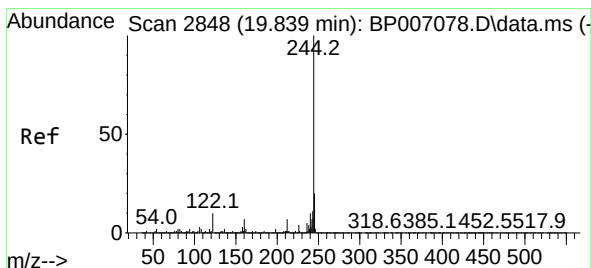
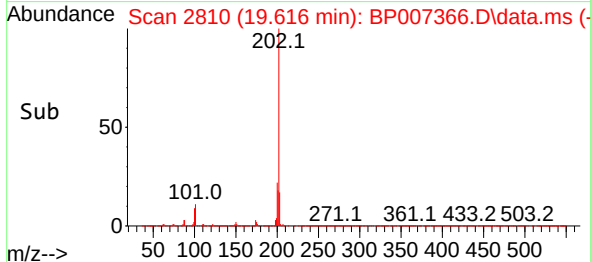
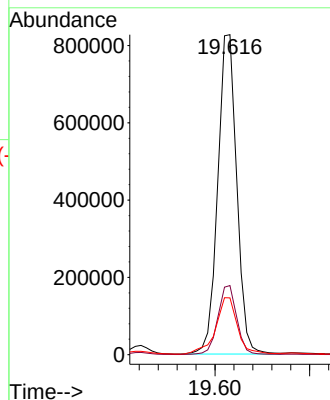
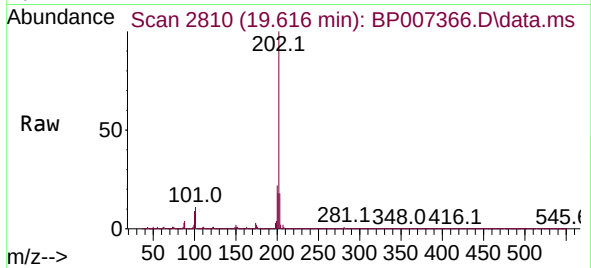




#78
Pyrene
Concen: 21.255 ng
RT: 19.616 min Scan# 2810
Delta R.T. 0.000 min
Lab File: BP007366.D
Acq: 06 Oct 2021 21:59

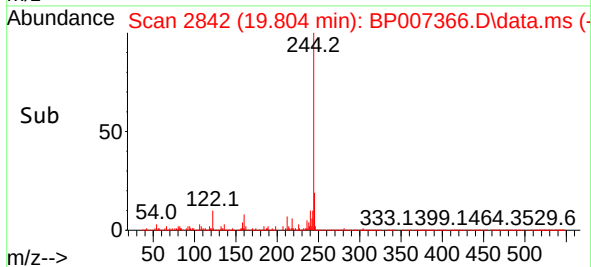
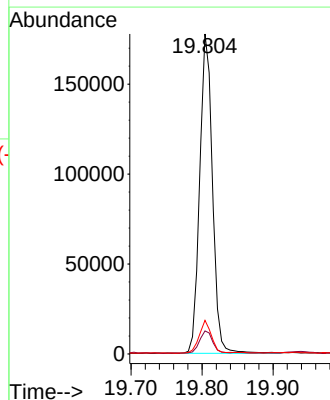
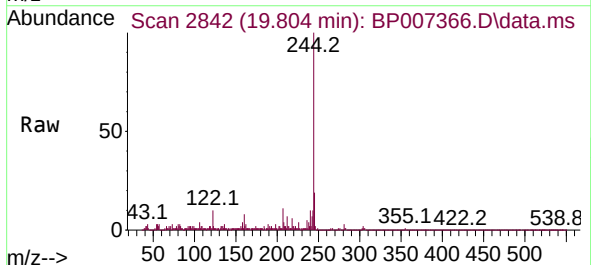
Instrument :
BNA_P
ClientSampleId :
SU-02-100421DL

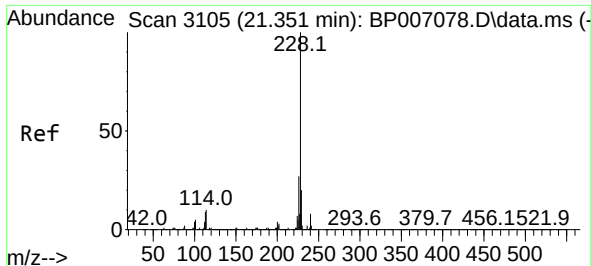
Tgt Ion:202 Resp: 1154726
Ion Ratio Lower Upper
202 100
200 21.6 16.3 24.5
203 17.7 14.2 21.2



#79
Terphenyl-d14
Concen: 5.154 ng
RT: 19.804 min Scan# 2842
Delta R.T. -0.005 min
Lab File: BP007366.D
Acq: 06 Oct 2021 21:59

Tgt Ion:244 Resp: 222697
Ion Ratio Lower Upper
244 100
212 7.2 6.0 9.0
122 10.5 7.1 10.7

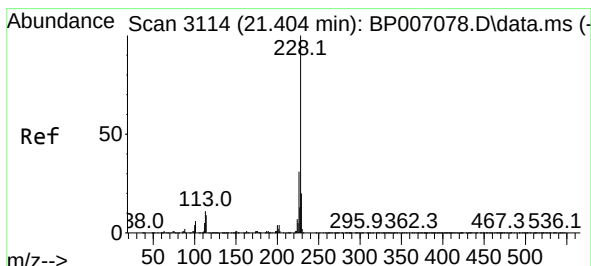
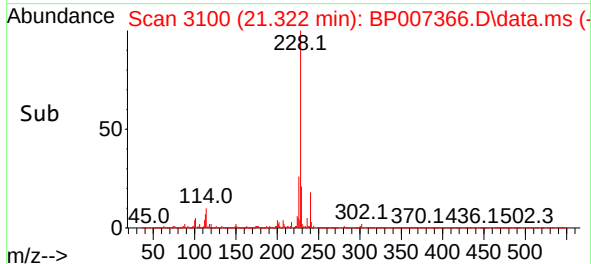
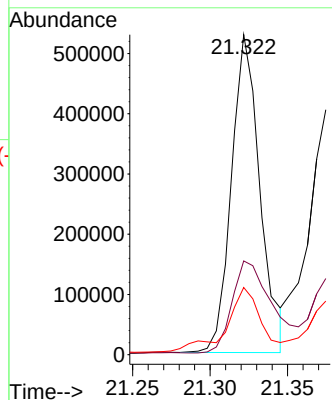
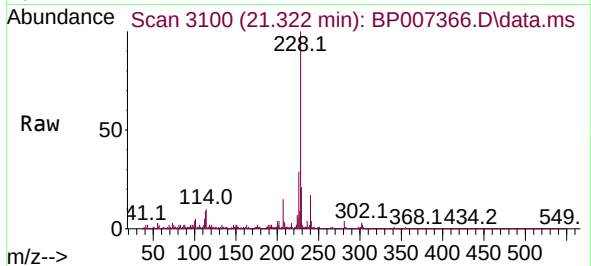




#81
Benzo(a)anthracene
Concen: 12.573 ng
RT: 21.322 min Scan# 3100
Delta R.T. -0.005 min
Lab File: BP007366.D
Acq: 06 Oct 2021 21:59

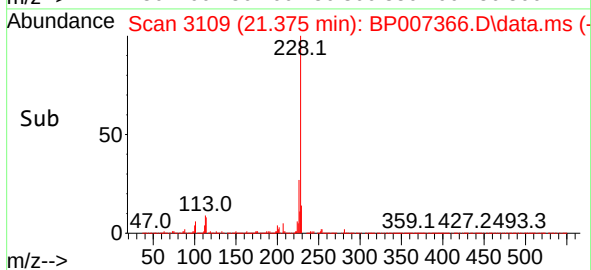
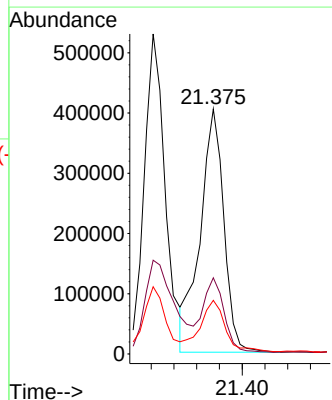
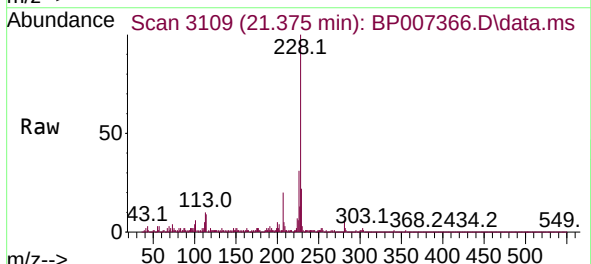
Instrument :
BNA_P
ClientSampleId :
SU-02-100421DL

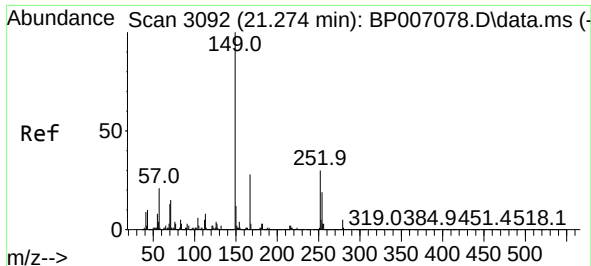
Tgt Ion:228 Resp: 675750
Ion Ratio Lower Upper
228 100
226 29.3 21.6 32.4
229 21.0 15.8 23.6



#83
Chrysene
Concen: 11.427 ng
RT: 21.375 min Scan# 3109
Delta R.T. -0.005 min
Lab File: BP007366.D
Acq: 06 Oct 2021 21:59

Tgt Ion:228 Resp: 586975
Ion Ratio Lower Upper
228 100
226 31.1 23.8 35.6
229 21.9 15.4 23.2

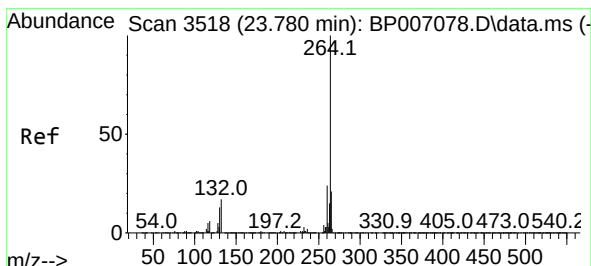
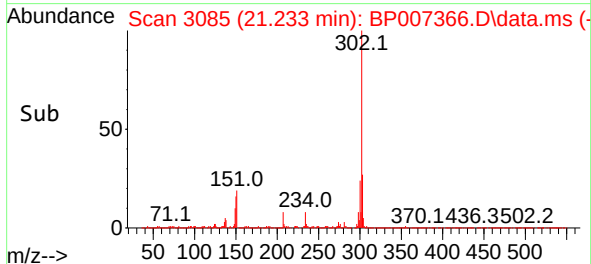
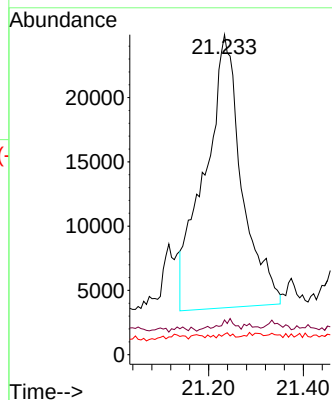
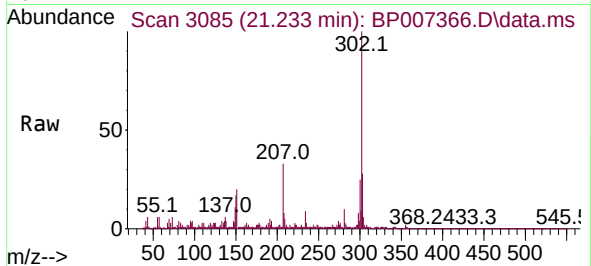




#84
Bis(2-ethylhexyl)phthalate
Concen: 3.682 ng
RT: 21.233 min Scan# 3085
Delta R.T. -0.011 min
Lab File: BP007366.D
Acq: 06 Oct 2021 21:59

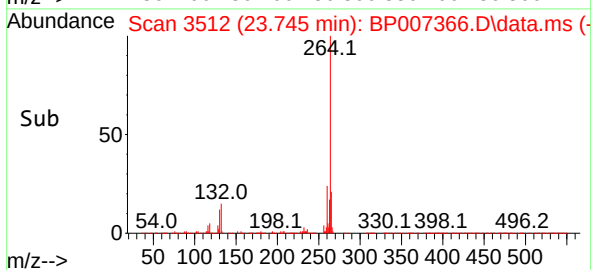
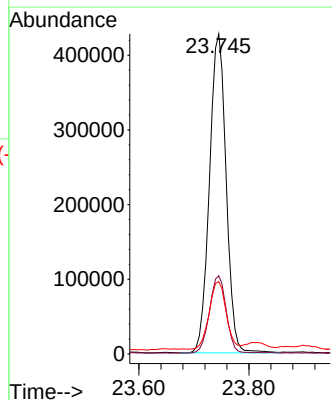
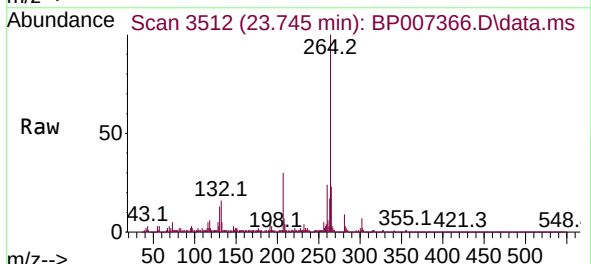
Instrument :
BNA_P
ClientSampleId :
SU-02-100421DL

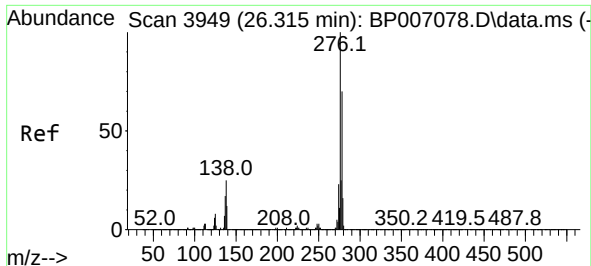
Tgt Ion:149 Resp: 115158
Ion Ratio Lower Upper
149 100
167 10.9 21.9 32.9#
279 6.4 4.3 6.5



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.745 min Scan# 3512
Delta R.T. 0.000 min
Lab File: BP007366.D
Acq: 06 Oct 2021 21:59

Tgt Ion:264 Resp: 900030
Ion Ratio Lower Upper
264 100
260 24.4 18.6 28.0
265 22.6 17.6 26.4

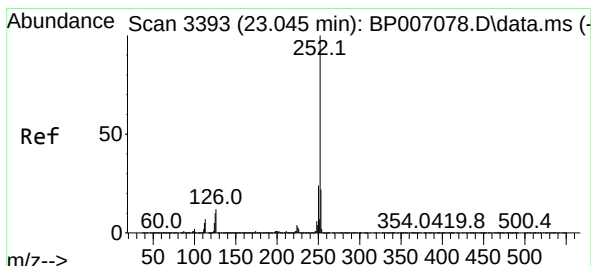
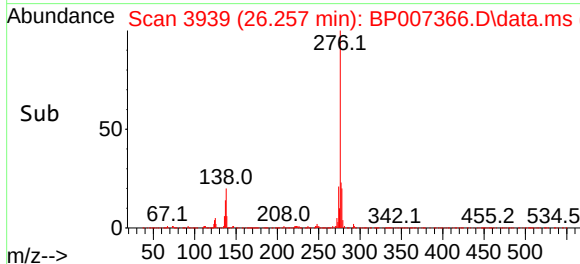
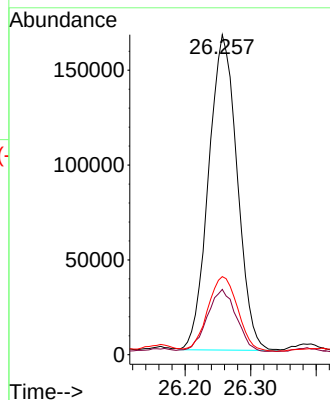
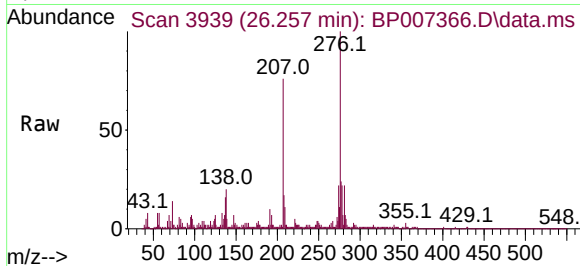




#87
Indeno(1,2,3-cd)pyrene
Concen: 7.774 ng
RT: 26.257 min Scan# 3939
Delta R.T. -0.011 min
Lab File: BP007366.D
Acq: 06 Oct 2021 21:59

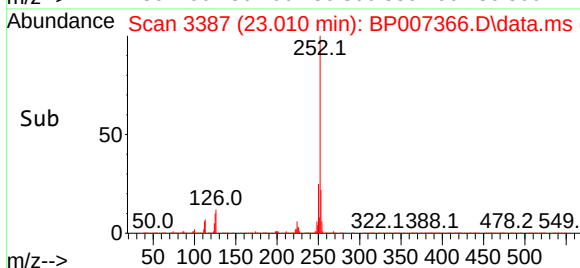
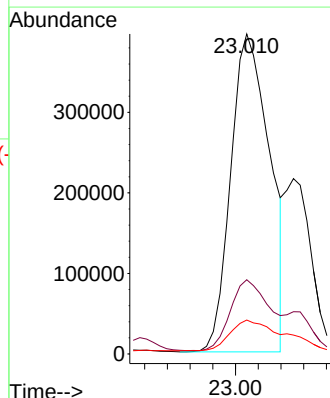
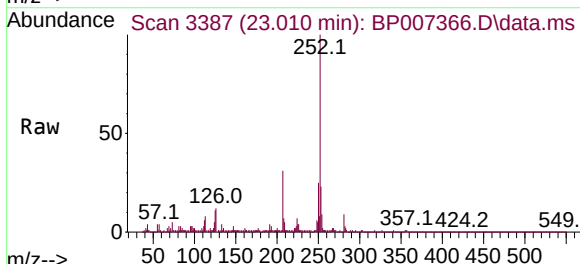
Instrument :
BNA_P
ClientSampleId :
SU-02-100421DL

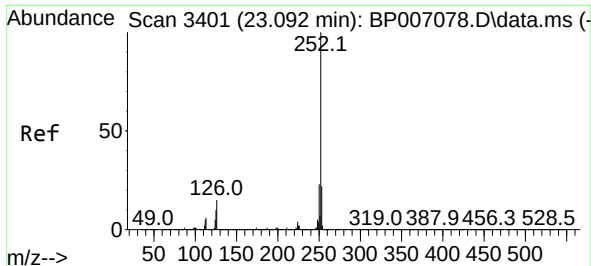
Tgt Ion:	276	Resp:	502858
Ion Ratio	Lower	Upper	
276	100		
138	20.2	15.3	22.9
277	24.7	20.4	30.6



#88
Benzo(b)fluoranthene
Concen: 17.480 ng
RT: 23.010 min Scan# 3387
Delta R.T. 0.000 min
Lab File: BP007366.D
Acq: 06 Oct 2021 21:59

Tgt Ion:	252	Resp:	940222
Ion Ratio	Lower	Upper	
252	100		
253	23.2	17.5	26.3
125	10.6	6.2	9.4#

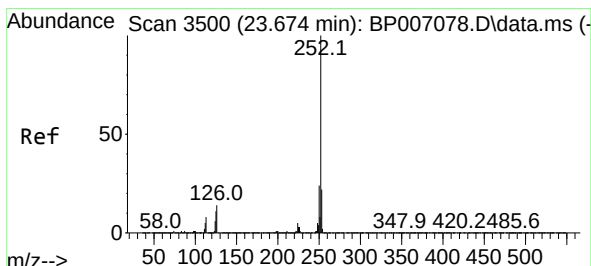
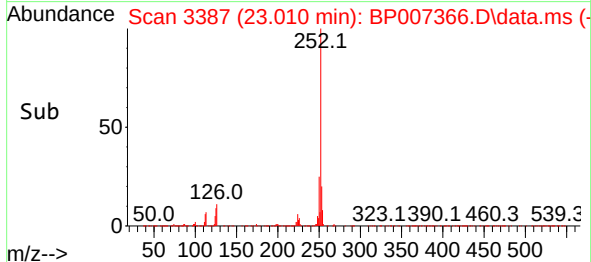
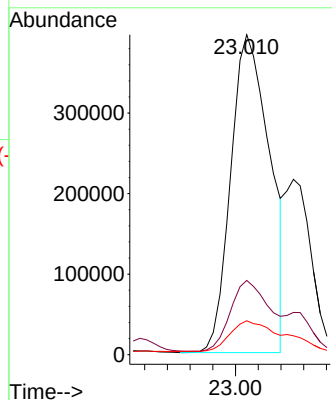
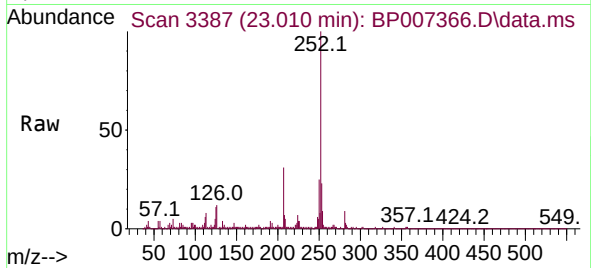




#89
Benzo(k)fluoranthene
Concen: 17.265 ng
RT: 23.010 min Scan# 3387
Delta R.T. -0.047 min
Lab File: BP007366.D
Acq: 06 Oct 2021 21:59

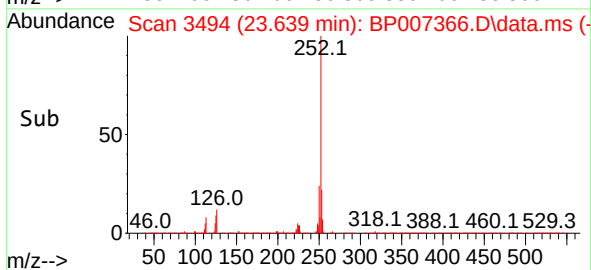
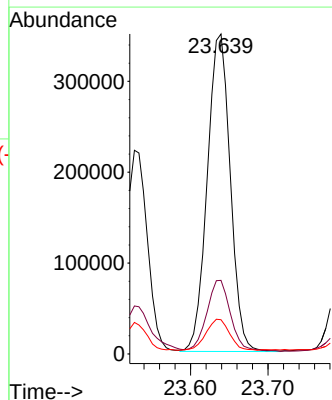
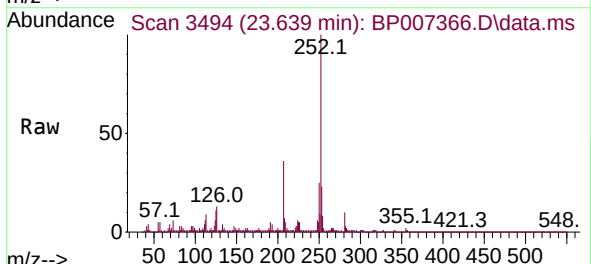
Instrument :
BNA_P
ClientSampleId :
SU-02-100421DL

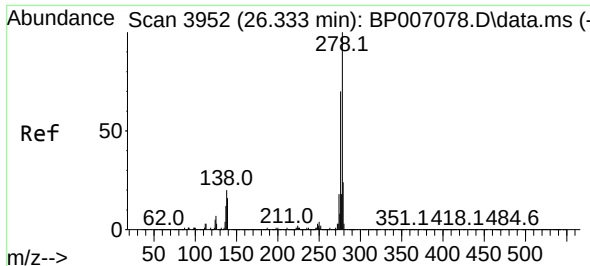
Tgt Ion:252 Resp: 940222
Ion Ratio Lower Upper
252 100
253 23.2 17.6 26.4
125 10.6 6.0 9.0#



#90
Benzo(a)pyrene
Concen: 15.769 ng
RT: 23.639 min Scan# 3494
Delta R.T. 0.000 min
Lab File: BP007366.D
Acq: 06 Oct 2021 21:59

Tgt Ion:252 Resp: 720592
Ion Ratio Lower Upper
252 100
253 23.0 17.9 26.9
125 10.7 6.5 9.7#

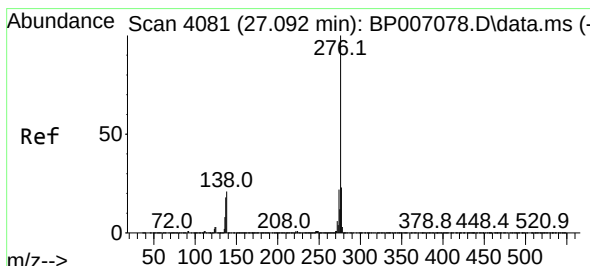
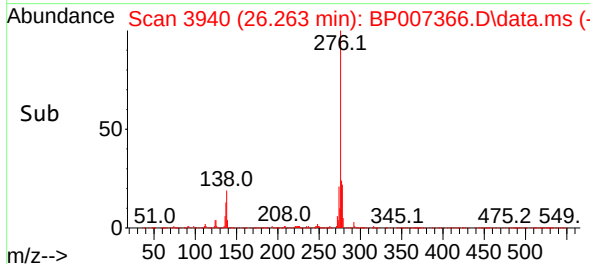
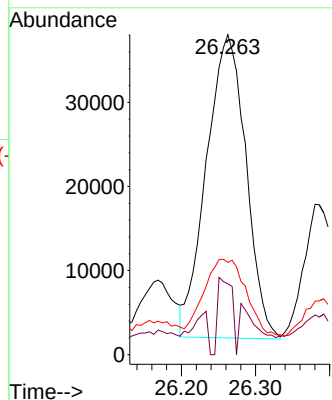
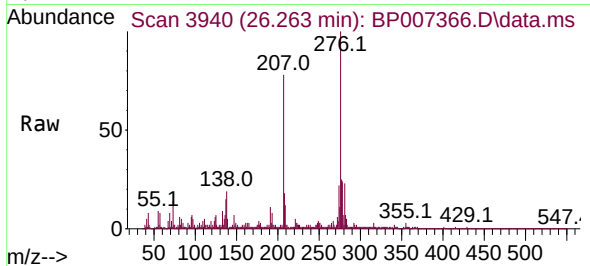




#91
 Dibenzo(a,h)anthracene
 Concen: 2.465 ng
 RT: 26.263 min Scan# 3940
 Delta R.T. -0.017 min
 Lab File: BP007366.D
 Acq: 06 Oct 2021 21:59

Instrument :
 BNA_P
 ClientSampleId :
 SU-02-100421DL

Tgt Ion:278 Resp: 133608
 Ion Ratio Lower Upper
 278 100
 139 22.1 9.3 13.9#
 279 28.8 18.8 28.2#



#92
 Benzo(g,h,i)perylene
 Concen: 8.973 ng
 RT: 27.033 min Scan# 4071
 Delta R.T. -0.011 min
 Lab File: BP007366.D
 Acq: 06 Oct 2021 21:59

Tgt Ion:276 Resp: 474662
 Ion Ratio Lower Upper
 276 100
 277 25.1 18.9 28.3
 138 21.6 12.6 18.8#

