

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP100521\
 Data File : BP007333.D
 Acq On : 05 Oct 2021 19:31
 Operator : CG/JU
 Sample : M4046-03
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 TP-1-(3.0-3.5)

Quant Time: Oct 06 05:25:28 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)

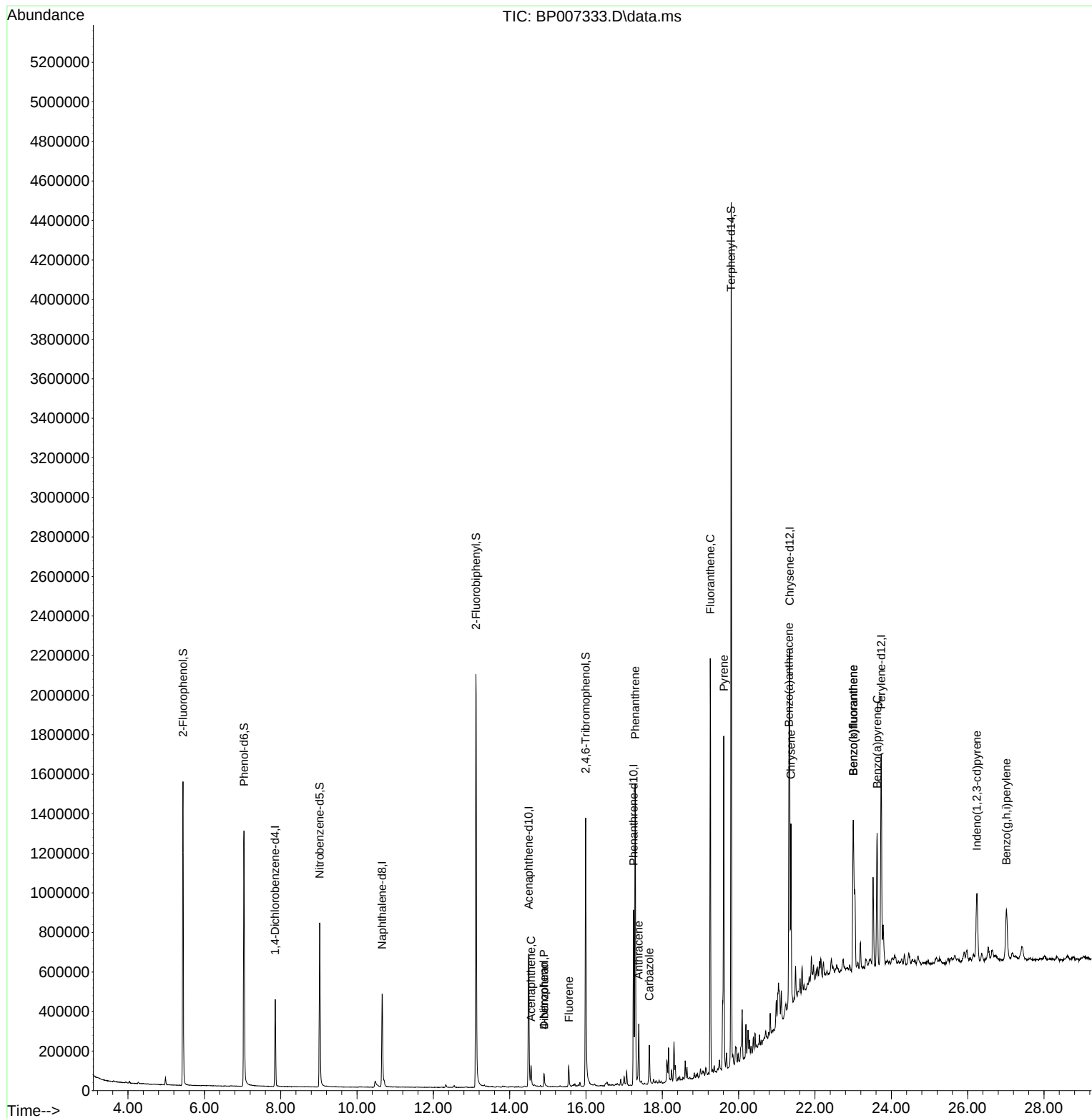
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.857	152	121668	20.000	ng	0.00
21) Naphthalene-d8	10.657	136	453614	20.000	ng	# 0.00
39) Acenaphthene-d10	14.498	164	275198	20.000	ng	0.00
64) Phenanthrene-d10	17.245	188	579763	20.000	ng	0.00
76) Chrysene-d12	21.333	240	668251	20.000	ng	# 0.00
86) Perylene-d12	23.733	264	803304	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	707007	97.272	ng	-0.01
7) Phenol-d6	7.040	99	865444	87.119	ng	-0.01
23) Nitrobenzene-d5	9.022	82	527633	67.739	ng	0.00
42) 2,4,6-Tribromophenol	15.992	330	313204	87.786	ng	0.00
45) 2-Fluorobiphenyl	13.116	172	1230666	64.066	ng	-0.01
79) Terphenyl-d14	19.804	244	1910255	54.778	ng	0.00
Target Compounds						
						Qvalue
52) Acenaphthene	14.563	154	39356	2.660	ng	97
55) Dibenzofuran	14.904	168	54769	2.219	ng	91
56) 4-Nitrophenol	14.898	139	19624	5.529	ng	# 6
58) Fluorene	15.551	166	55051	2.886	ng	99
71) Phenanthrene	17.286	178	963911	31.007	ng	99
72) Anthracene	17.381	178	204097	6.711	ng	99
73) Carbazole	17.657	167	136889	4.594	ng	98
75) Fluoranthene	19.257	202	1212918	33.866	ng	98
78) Pyrene	19.610	202	1017780	23.214	ng	99
81) Benzo(a)anthracene	21.316	228	555332	12.803	ng	99
83) Chrysene	21.369	228	513776	12.393	ng	96
87) Indeno(1,2,3-cd)pyrene	26.239	276	357885	6.199	ng	98
88) Benzo(b)fluoranthene	23.004	252	705061	14.687	ng	# 97
89) Benzo(k)fluoranthene	23.004	252	705061	14.506	ng	# 96
90) Benzo(a)pyrene	23.627	252	536625	13.157	ng	# 98
92) Benzo(g,h,i)perylene	27.015	276	355138	7.522	ng	# 95

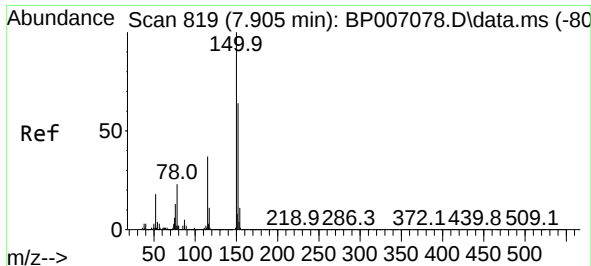
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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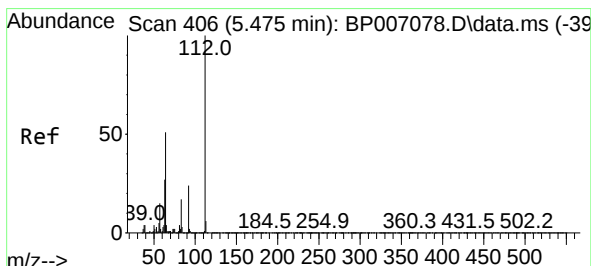
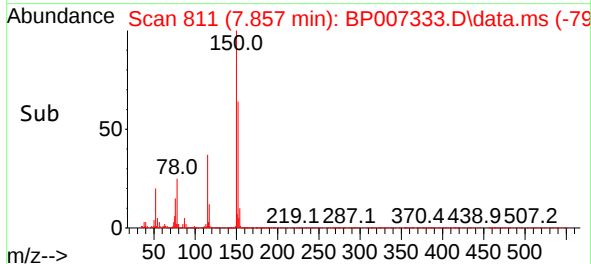
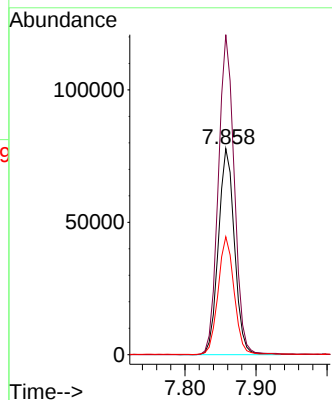
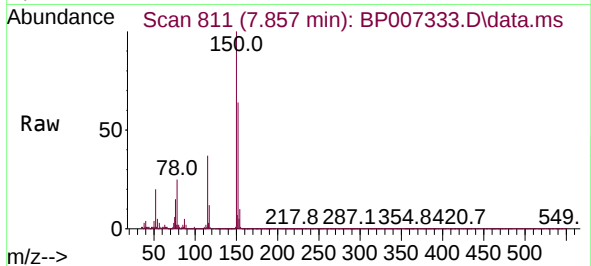




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.857 min Scan# 811
Delta R.T. -0.006 min
Lab File: BP007333.D
Acq: 05 Oct 2021 19:31

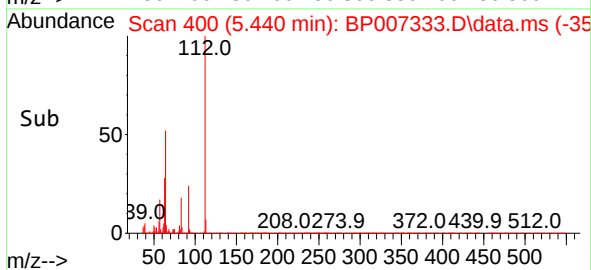
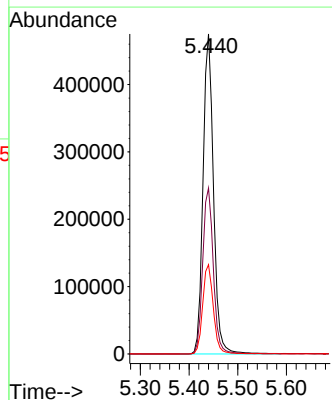
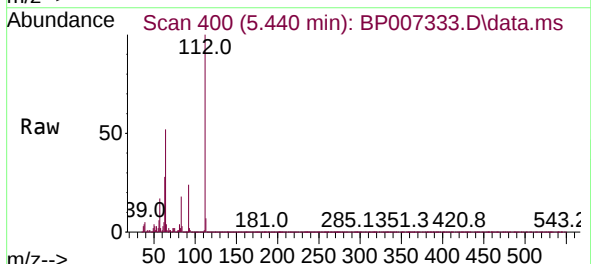
Instrument :
BNA_P
ClientSampleId :
TP-1-(3.0-3.5)

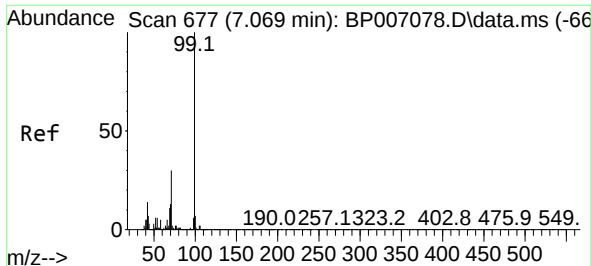
Tgt Ion:152 Resp: 121668
Ion Ratio Lower Upper
152 100
150 155.2 125.6 188.4
115 57.2 48.5 72.7



#5
2-Fluorophenol
Concen: 97.272 ng
RT: 5.440 min Scan# 400
Delta R.T. -0.012 min
Lab File: BP007333.D
Acq: 05 Oct 2021 19:31

Tgt Ion:112 Resp: 707007
Ion Ratio Lower Upper
112 100
64 51.9 41.4 62.2
63 27.9 23.8 35.8

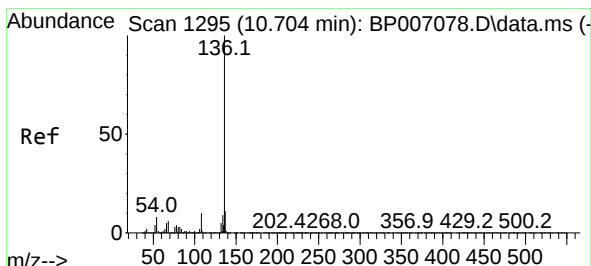
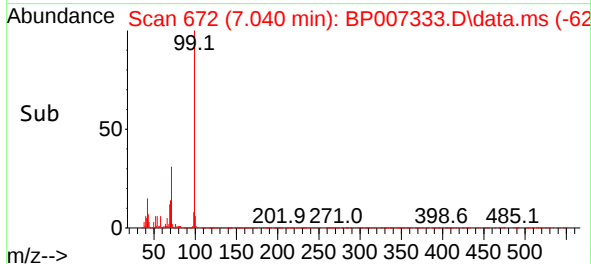
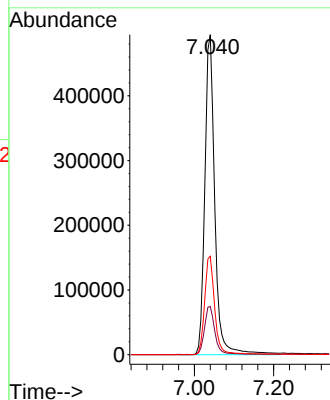
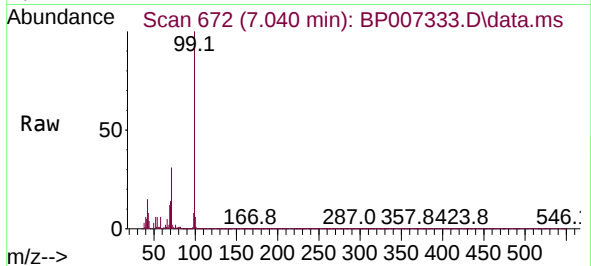




#7
Phenol-d6
Concen: 87.119 ng
RT: 7.040 min Scan# 672
Delta R.T. -0.011 min
Lab File: BP007333.D
Acq: 05 Oct 2021 19:31

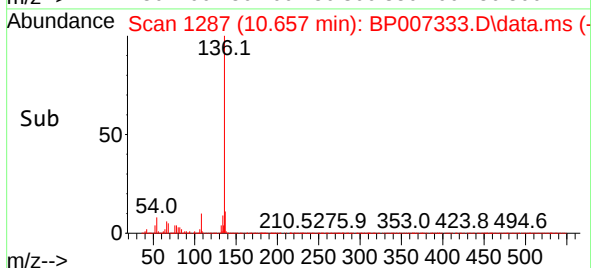
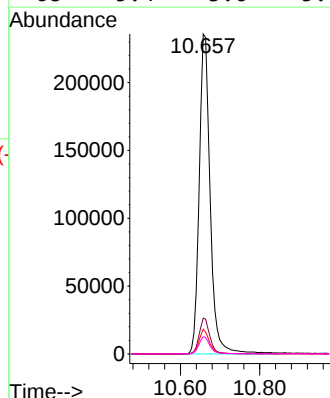
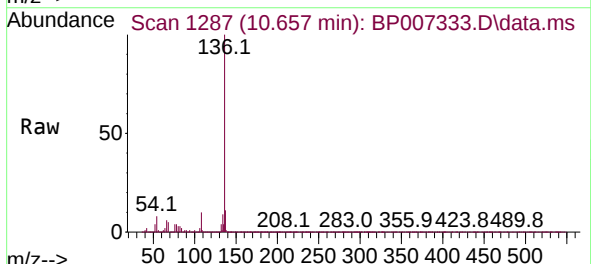
Instrument :
BNA_P
ClientSampleId :
TP-1-(3.0-3.5)

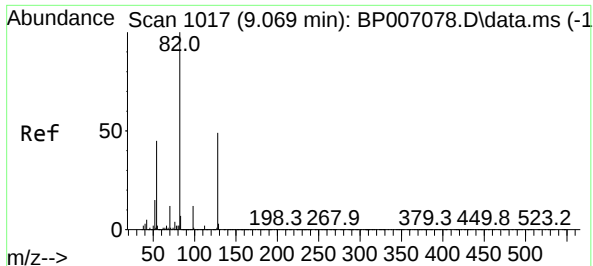
Tgt Ion:	99	Resp:	865444
Ion	Ratio	Lower	Upper
99	100		
42	15.0	13.4	20.0
71	30.8	30.6	46.0



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.657 min Scan# 1287
Delta R.T. -0.006 min
Lab File: BP007333.D
Acq: 05 Oct 2021 19:31

Tgt Ion:	136	Resp:	453614
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.6	12.8
54	7.8	4.6	6.8#
68	5.4	3.6	5.4#

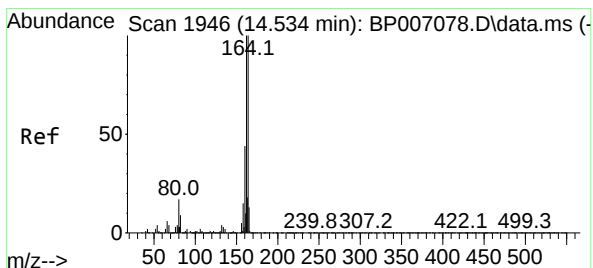
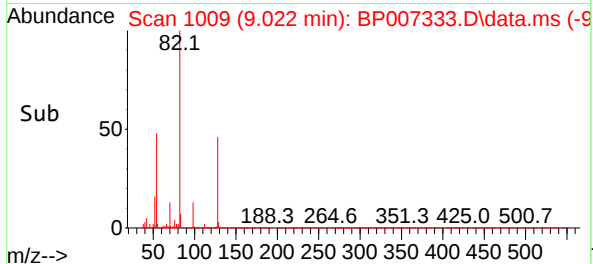
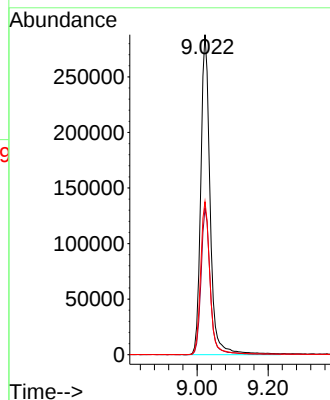
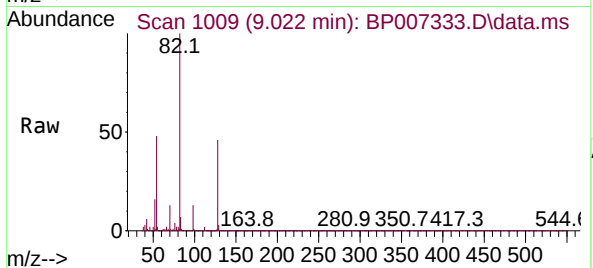




#23
Nitrobenzene-d5
Concen: 67.739 ng
RT: 9.022 min Scan# 1009
Delta R.T. -0.006 min
Lab File: BP007333.D
Acq: 05 Oct 2021 19:31

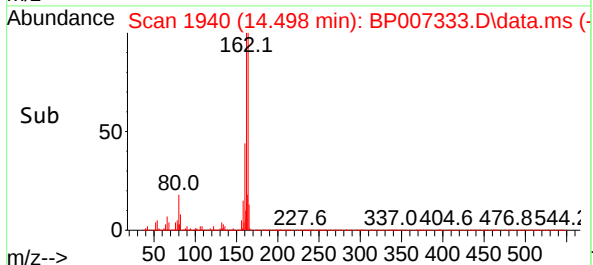
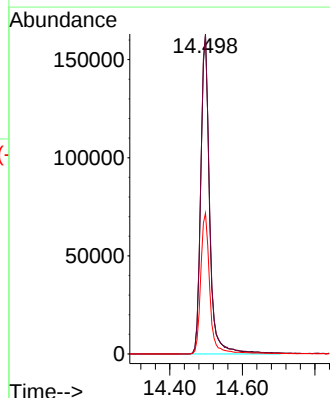
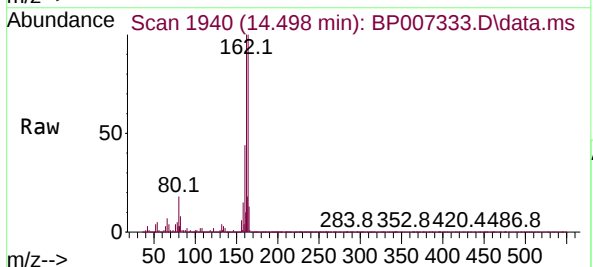
Instrument :
BNA_P
ClientSampleId :
TP-1-(3.0-3.5)

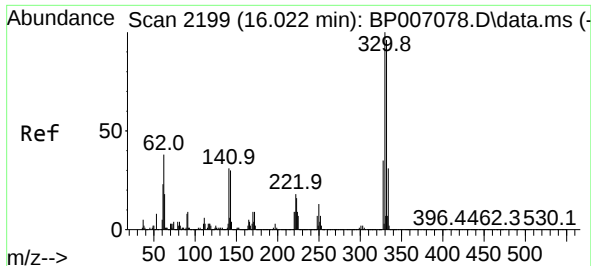
Tgt Ion: 82 Resp: 527633
Ion Ratio Lower Upper
82 100
128 45.8 35.7 53.5
54 47.8 35.0 52.4



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.498 min Scan# 1940
Delta R.T. 0.000 min
Lab File: BP007333.D
Acq: 05 Oct 2021 19:31

Tgt Ion: 164 Resp: 275198
Ion Ratio Lower Upper
164 100
162 99.8 80.2 120.2
160 44.0 34.5 51.7

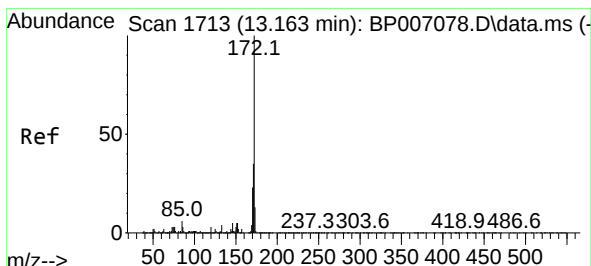
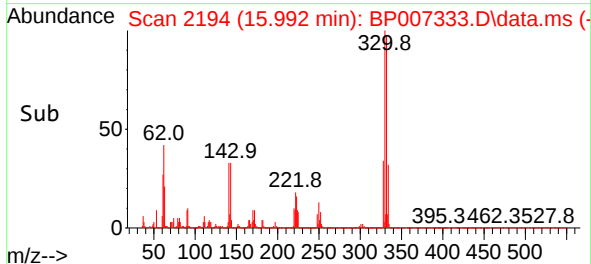
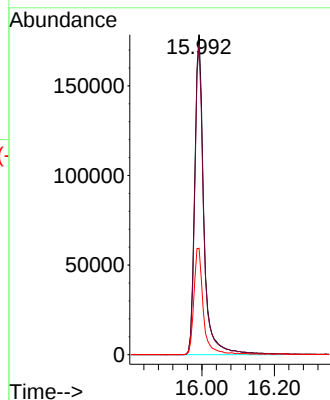
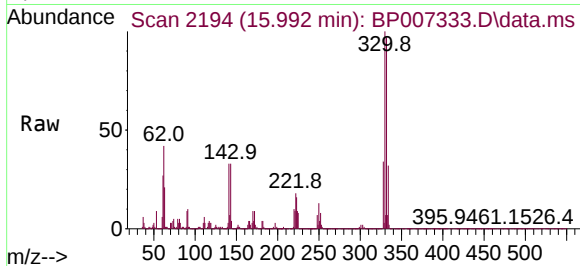




#42
2,4,6-Tribromophenol
Concen: 87.786 ng
RT: 15.992 min Scan# 2194
Delta R.T. -0.006 min
Lab File: BP007333.D
Acq: 05 Oct 2021 19:31

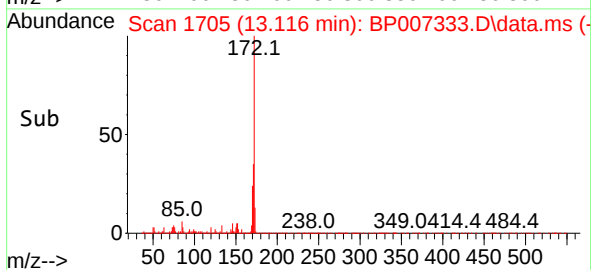
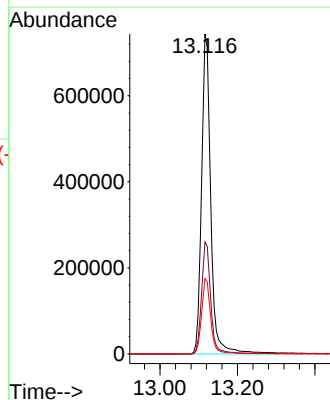
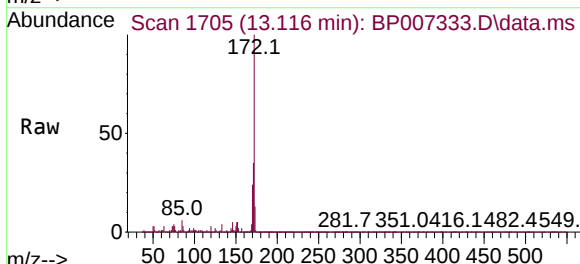
Instrument :
BNA_P
ClientSampleId :
TP-1-(3.0-3.5)

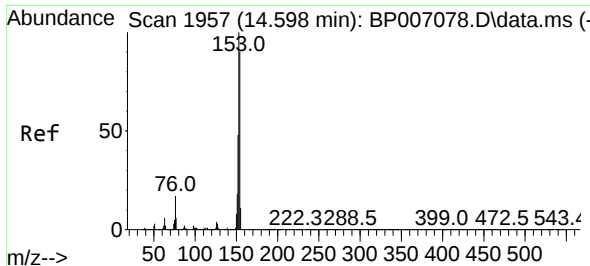
Tgt Ion:330 Resp: 313204
Ion Ratio Lower Upper
330 100
332 96.3 77.8 116.8
141 34.1 25.4 38.2



#45
2-Fluorobiphenyl
Concen: 64.066 ng
RT: 13.116 min Scan# 1705
Delta R.T. -0.011 min
Lab File: BP007333.D
Acq: 05 Oct 2021 19:31

Tgt Ion:172 Resp: 1230666
Ion Ratio Lower Upper
172 100
171 35.0 27.9 41.9
170 23.6 18.6 27.8

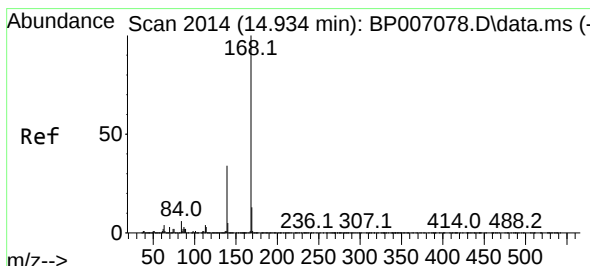
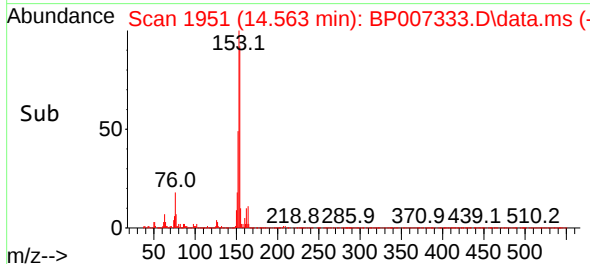
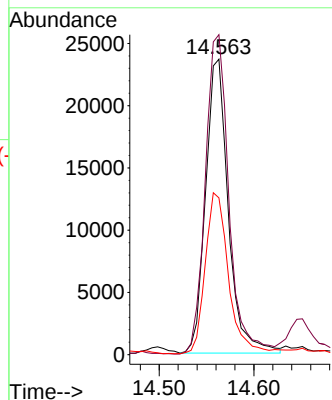
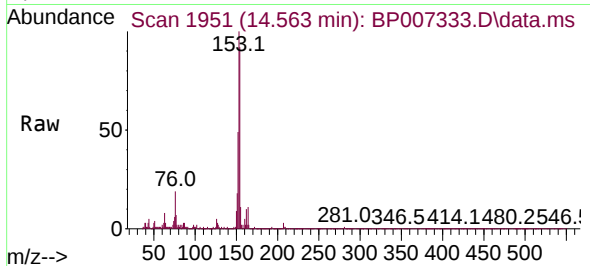




#52
Acenaphthene
Concen: 2.660 ng
RT: 14.563 min Scan# 1951
Delta R.T. 0.000 min
Lab File: BP007333.D
Acq: 05 Oct 2021 19:31

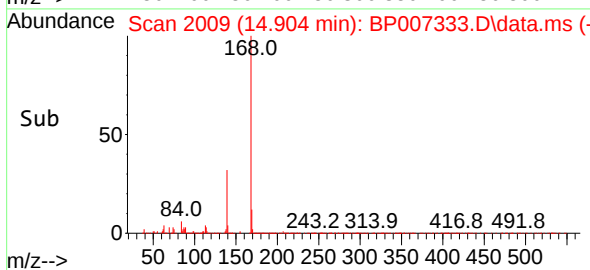
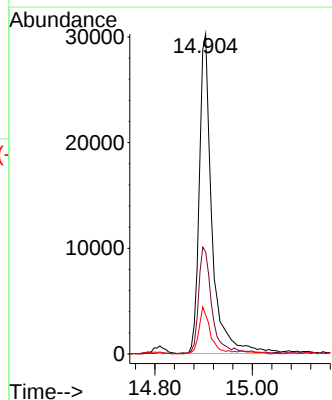
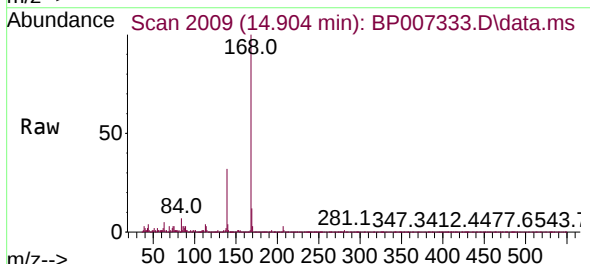
Instrument :
BNA_P
ClientSampleId :
TP-1-(3.0-3.5)

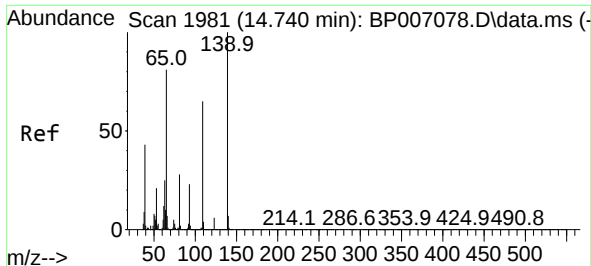
Tgt Ion:154 Resp: 39356
Ion Ratio Lower Upper
154 100
153 108.3 89.4 134.2
152 53.0 43.0 64.4



#55
Dibenzofuran
Concen: 2.219 ng
RT: 14.904 min Scan# 2009
Delta R.T. 0.006 min
Lab File: BP007333.D
Acq: 05 Oct 2021 19:31

Tgt Ion:168 Resp: 54769
Ion Ratio Lower Upper
168 100
139 31.9 31.0 46.6
169 12.1 10.8 16.2

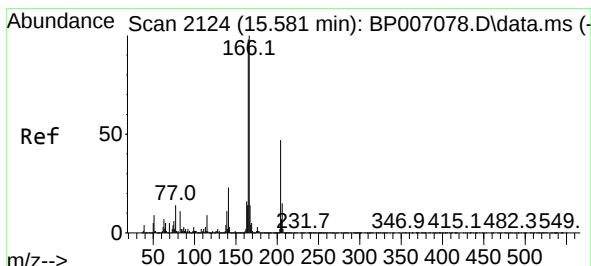
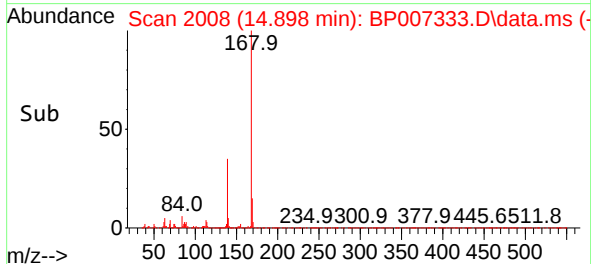
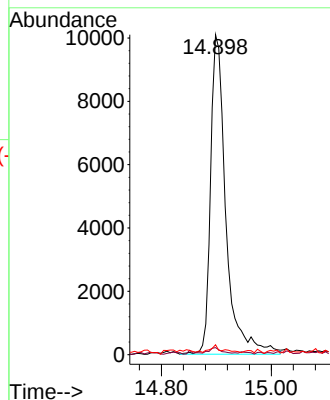
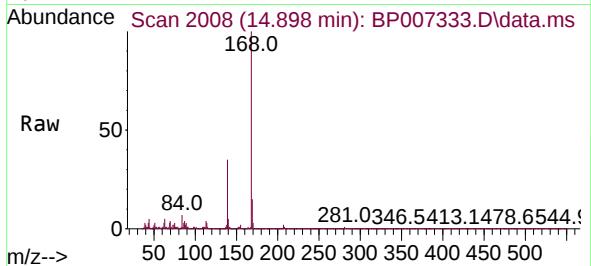




#56
4-Nitrophenol
Concen: 5.529 ng
RT: 14.898 min Scan# 2008
Delta R.T. 0.159 min
Lab File: BP007333.D
Acq: 05 Oct 2021 19:31

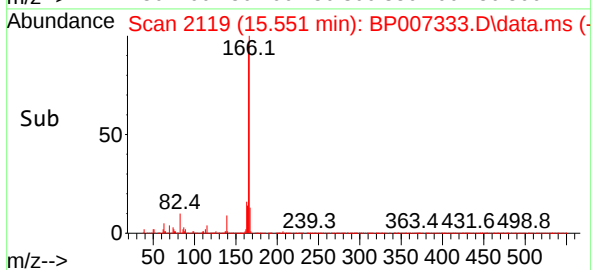
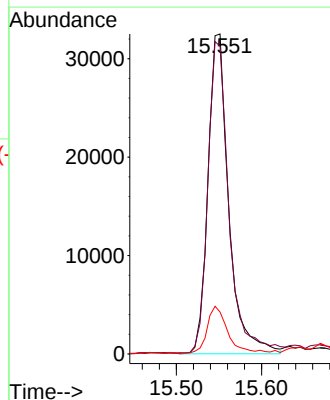
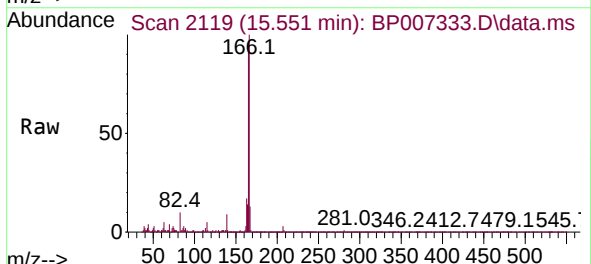
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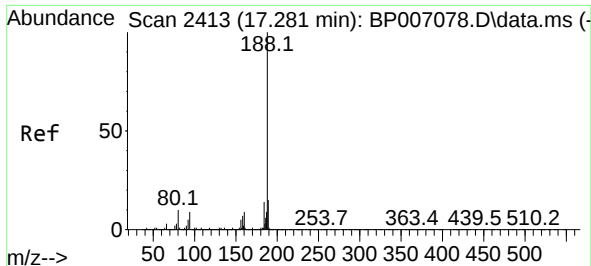
Tgt Ion:139 Resp: 19624
Ion Ratio Lower Upper
139 100
109 2.2 72.3 112.3#
65 3.1 72.5 112.5#



#58
Fluorene
Concen: 2.886 ng
RT: 15.551 min Scan# 2119
Delta R.T. 0.000 min
Lab File: BP007333.D
Acq: 05 Oct 2021 19:31

Tgt Ion:166 Resp: 55051
Ion Ratio Lower Upper
166 100
165 96.2 78.0 117.0
167 13.1 10.5 15.7

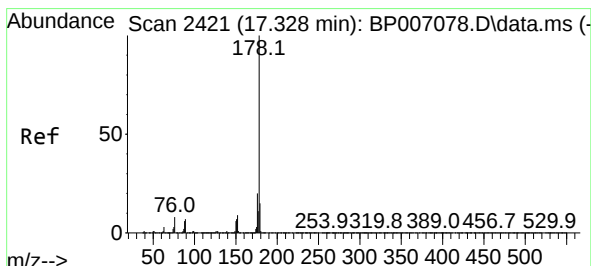
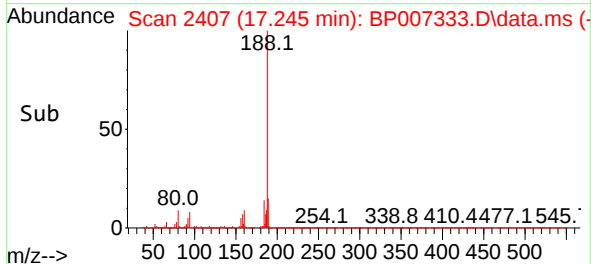
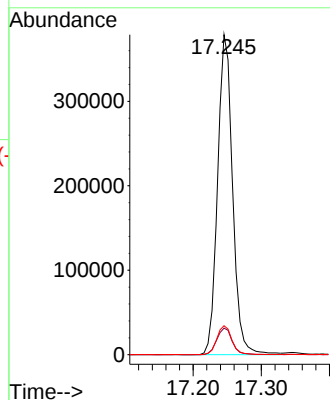
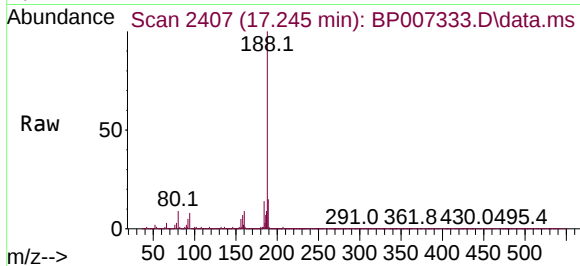




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.245 min Scan# 2407
Delta R.T. -0.006 min
Lab File: BP007333.D
Acq: 05 Oct 2021 19:31

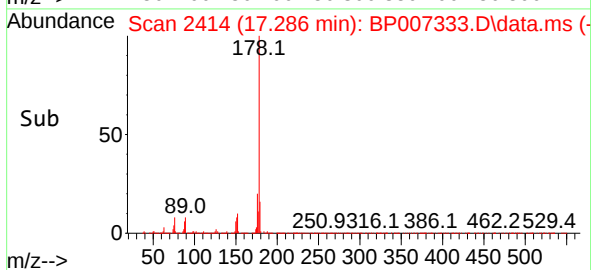
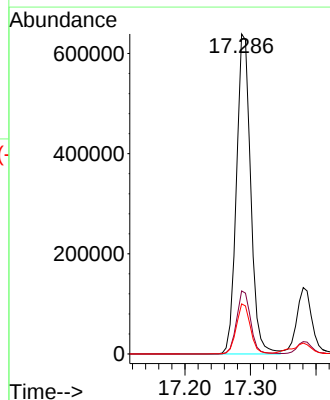
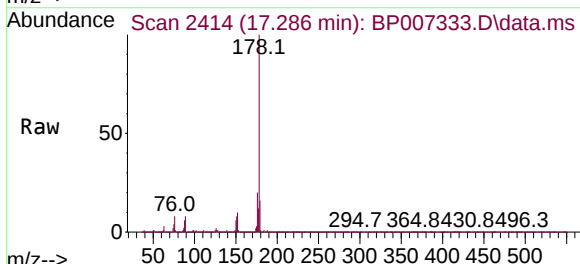
Instrument :
BNA_P
ClientSampleId :
TP-1-(3.0-3.5)

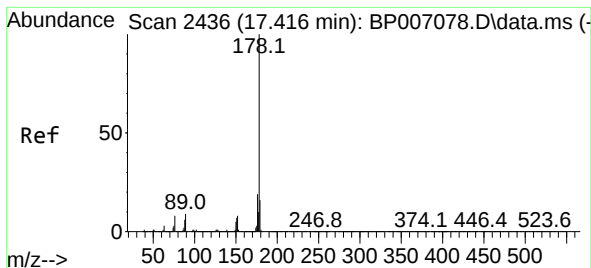
Tgt Ion:188 Resp: 579763
Ion Ratio Lower Upper
188 100
94 8.3 5.6 8.4
80 9.1 6.3 9.5



#71
Phenanthrene
Concen: 31.007 ng
RT: 17.286 min Scan# 2414
Delta R.T. -0.012 min
Lab File: BP007333.D
Acq: 05 Oct 2021 19:31

Tgt Ion:178 Resp: 963911
Ion Ratio Lower Upper
178 100
176 19.7 15.1 22.7
179 15.7 12.4 18.6

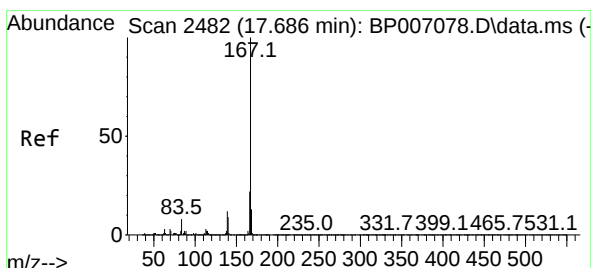
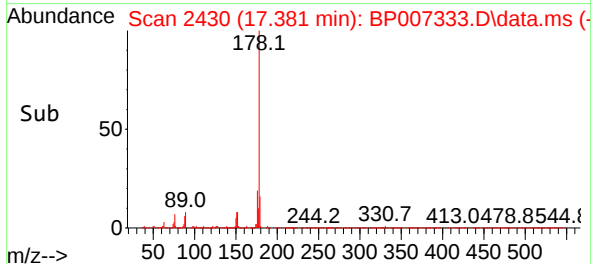
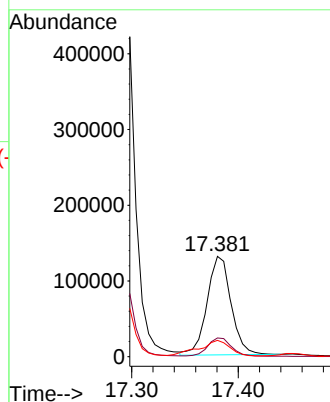
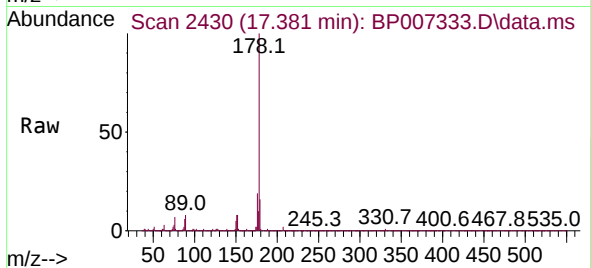




#72
 Anthracene
 Concen: 6.711 ng
 RT: 17.381 min Scan# 2430
 Delta R.T. -0.006 min
 Lab File: BP007333.D
 Acq: 05 Oct 2021 19:31

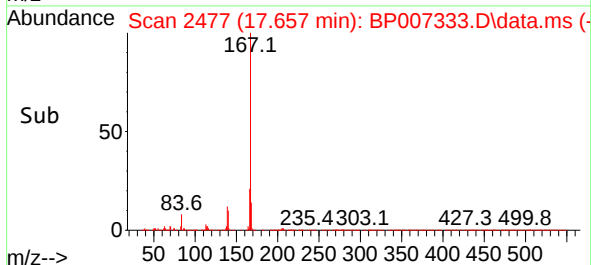
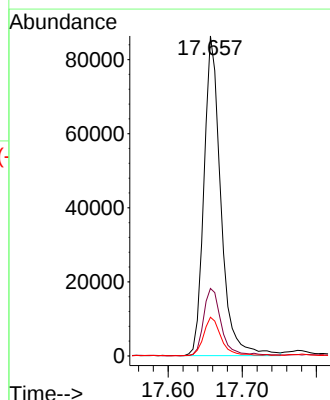
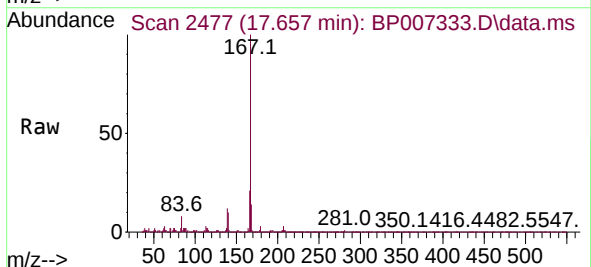
Instrument :
 BNA_P
 ClientSampleId :
 TP-1-(3.0-3.5)

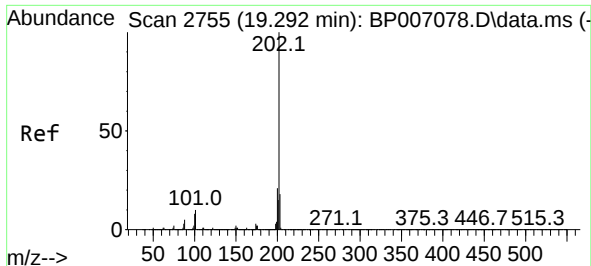
Tgt Ion:178 Resp: 204097
 Ion Ratio Lower Upper
 178 100
 176 18.7 14.9 22.3
 179 16.4 12.2 18.2



#73
 Carbazole
 Concen: 4.594 ng
 RT: 17.657 min Scan# 2477
 Delta R.T. -0.006 min
 Lab File: BP007333.D
 Acq: 05 Oct 2021 19:31

Tgt Ion:167 Resp: 136889
 Ion Ratio Lower Upper
 167 100
 166 21.1 17.1 25.7
 139 12.1 10.7 16.1

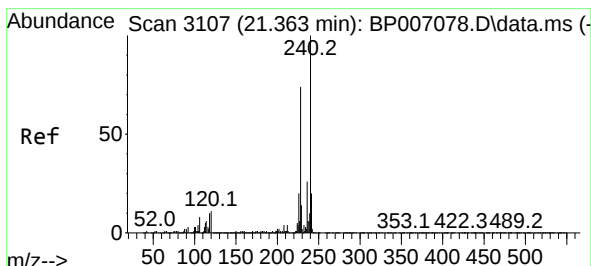
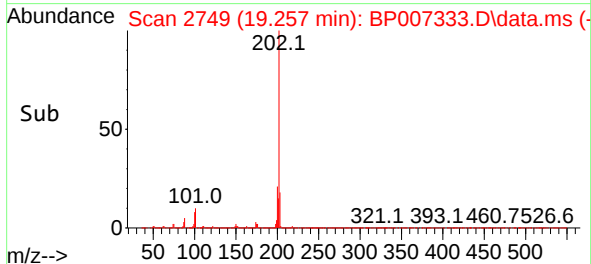
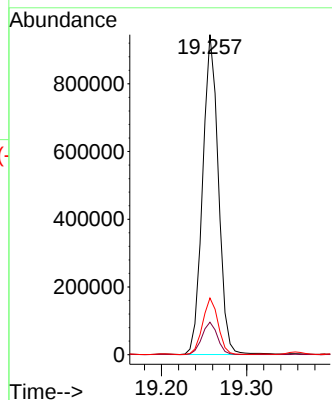
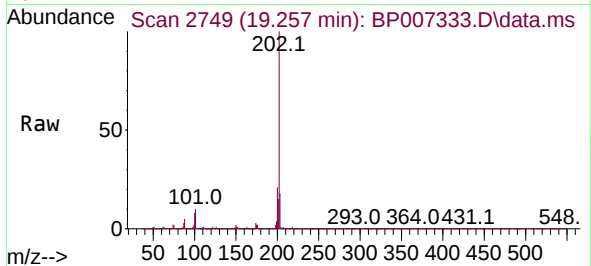




#75
Fluoranthene
Concen: 33.866 ng
RT: 19.257 min Scan# 2749
Delta R.T. -0.006 min
Lab File: BP007333.D
Acq: 05 Oct 2021 19:31

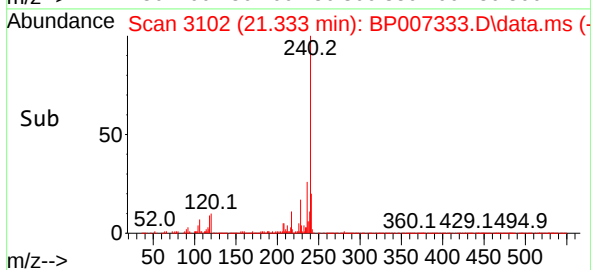
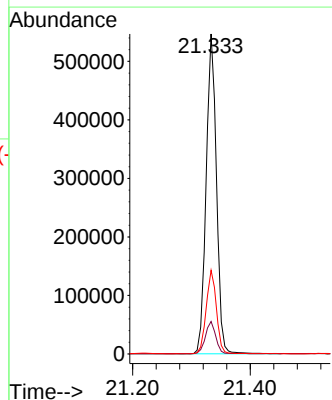
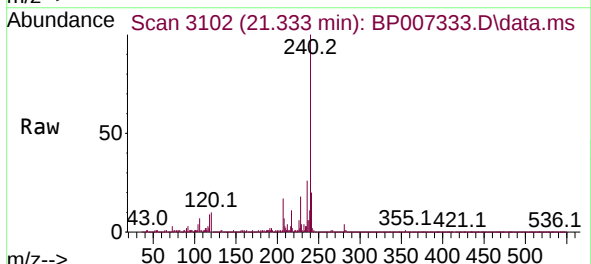
Instrument :
BNA_P
ClientSampleId :
TP-1-(3.0-3.5)

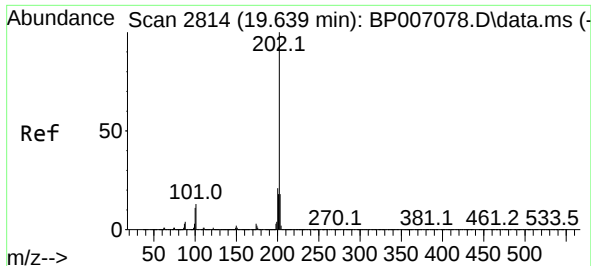
Tgt Ion:202 Resp: 1212918
Ion Ratio Lower Upper
202 100
101 10.2 0.0 27.6
203 17.7 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.333 min Scan# 3102
Delta R.T. -0.006 min
Lab File: BP007333.D
Acq: 05 Oct 2021 19:31

Tgt Ion:240 Resp: 668251
Ion Ratio Lower Upper
240 100
120 10.2 6.5 9.7#
236 26.1 20.6 31.0

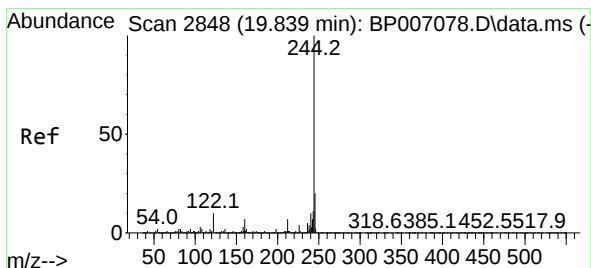
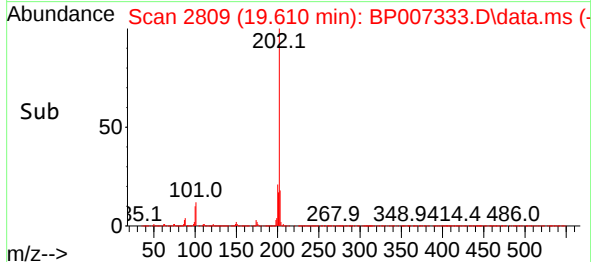
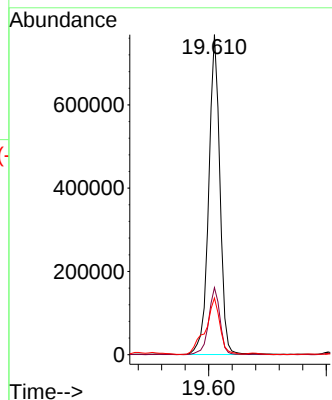
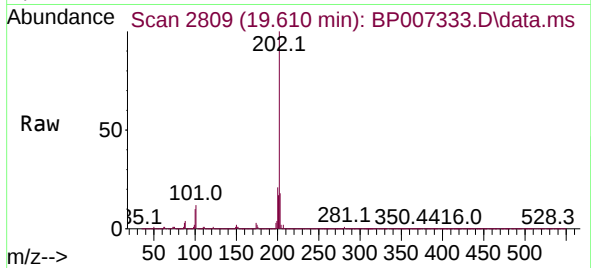




#78
 Pyrene
 Concen: 23.214 ng
 RT: 19.610 min Scan# 2809
 Delta R.T. -0.006 min
 Lab File: BP007333.D
 Acq: 05 Oct 2021 19:31

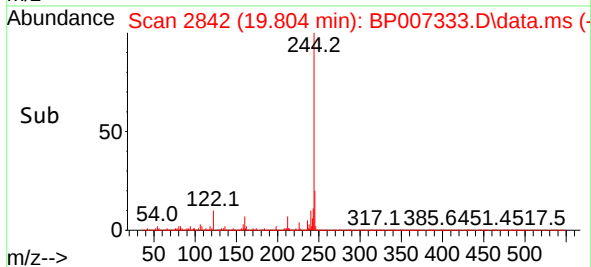
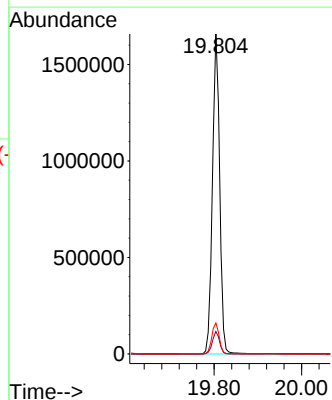
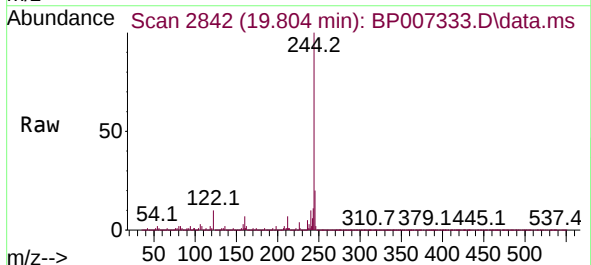
Instrument :
 BNA_P
 ClientSampleId :
 TP-1-(3.0-3.5)

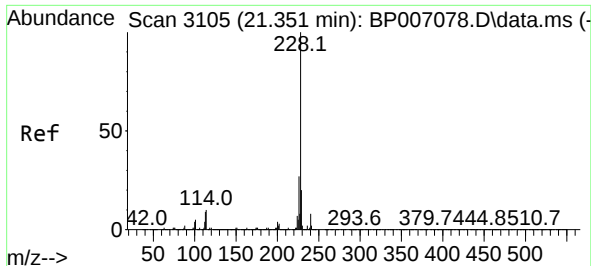
Tgt Ion:202 Resp: 1017780
 Ion Ratio Lower Upper
 202 100
 200 21.0 16.3 24.5
 203 17.7 14.2 21.2



#79
 Terphenyl-d14
 Concen: 54.778 ng
 RT: 19.804 min Scan# 2842
 Delta R.T. -0.006 min
 Lab File: BP007333.D
 Acq: 05 Oct 2021 19:31

Tgt Ion:244 Resp: 1910255
 Ion Ratio Lower Upper
 244 100
 212 7.0 6.0 9.0
 122 9.7 7.1 10.7

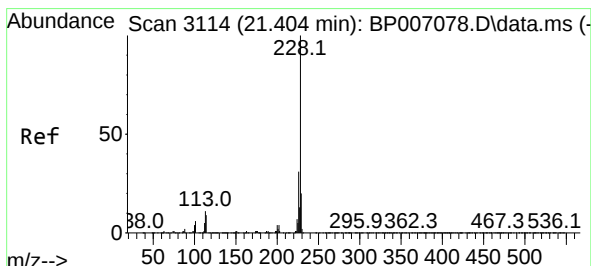
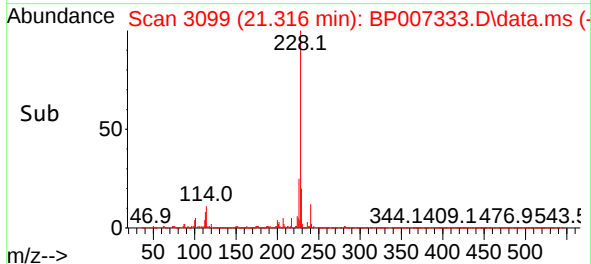
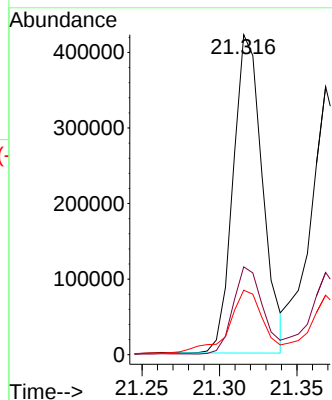
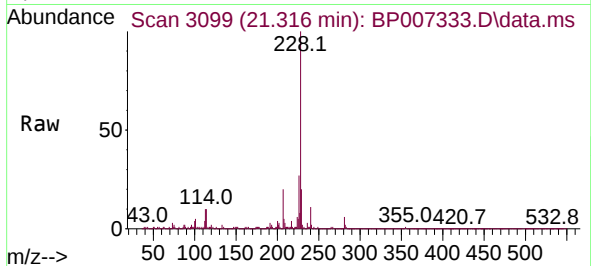




#81
Benzo(a)anthracene
Concen: 12.803 ng
RT: 21.316 min Scan# 3099
Delta R.T. -0.011 min
Lab File: BP007333.D
Acq: 05 Oct 2021 19:31

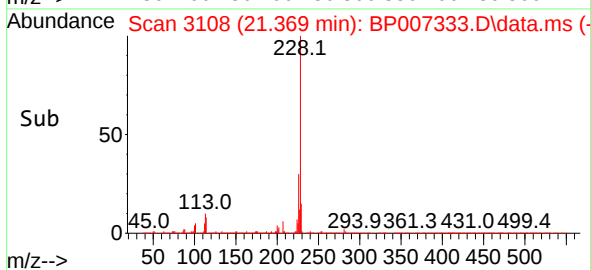
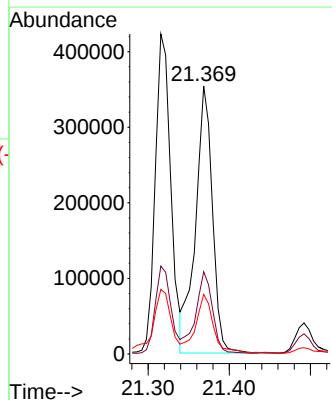
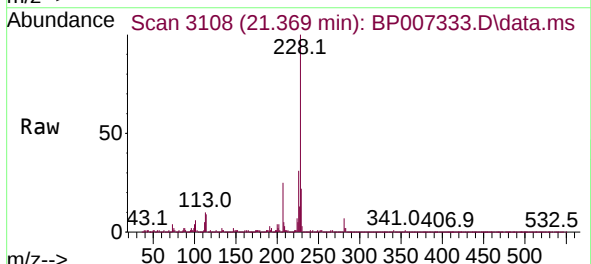
Instrument :
BNA_P
ClientSampleId :
TP-1-(3.0-3.5)

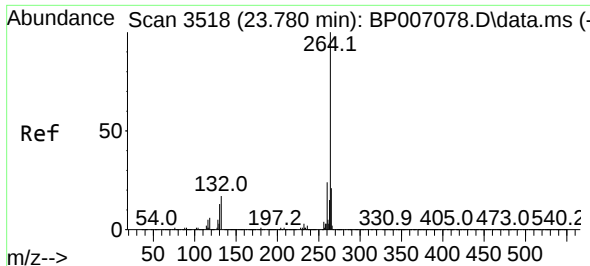
Tgt Ion:228 Resp: 555332
Ion Ratio Lower Upper
228 100
226 27.5 21.6 32.4
229 20.1 15.8 23.6



#83
Chrysene
Concen: 12.393 ng
RT: 21.369 min Scan# 3108
Delta R.T. -0.012 min
Lab File: BP007333.D
Acq: 05 Oct 2021 19:31

Tgt Ion:228 Resp: 513776
Ion Ratio Lower Upper
228 100
226 30.7 23.8 35.6
229 22.2 15.4 23.2

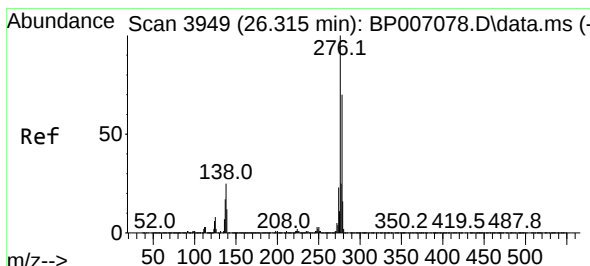
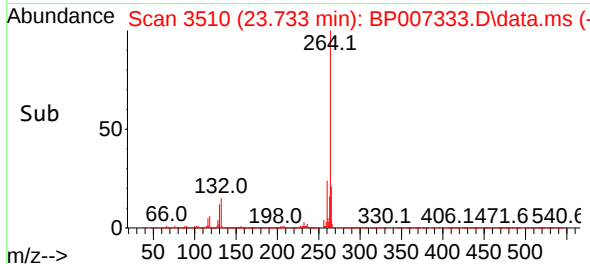
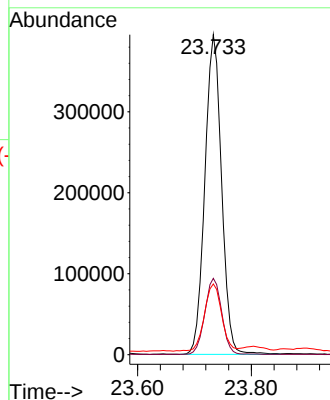
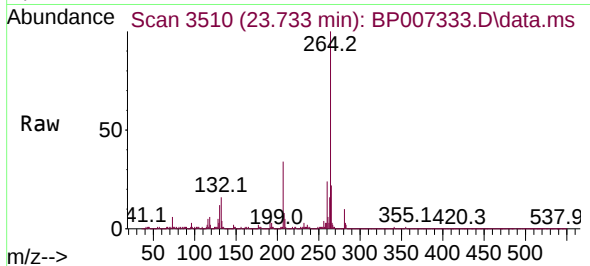




#86
Perylene-d12
Concen: 20.000 ng
RT: 23.733 min Scan# 3510
Delta R.T. -0.012 min
Lab File: BP007333.D
Acq: 05 Oct 2021 19:31

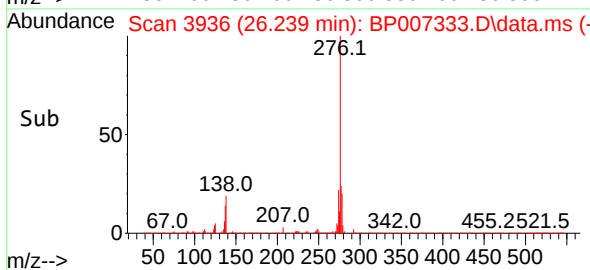
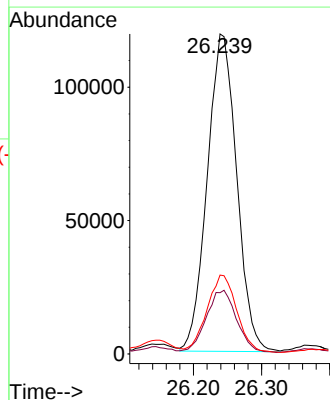
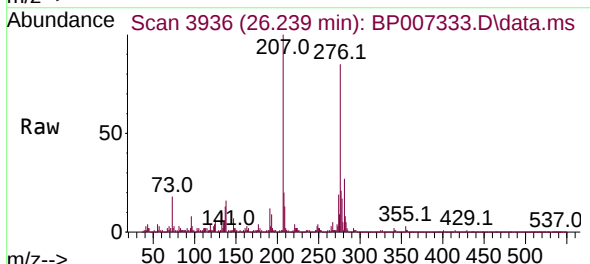
Instrument :
BNA_P
ClientSampleId :
TP-1-(3.0-3.5)

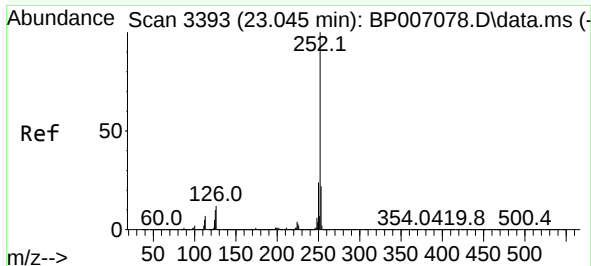
Tgt Ion:264 Resp: 803304
Ion Ratio Lower Upper
264 100
260 23.8 18.6 28.0
265 22.1 17.6 26.4



#87
Indeno(1,2,3-cd)pyrene
Concen: 6.199 ng
RT: 26.239 min Scan# 3936
Delta R.T. -0.029 min
Lab File: BP007333.D
Acq: 05 Oct 2021 19:31

Tgt Ion:276 Resp: 357885
Ion Ratio Lower Upper
276 100
138 20.2 15.3 22.9
277 24.5 20.4 30.6

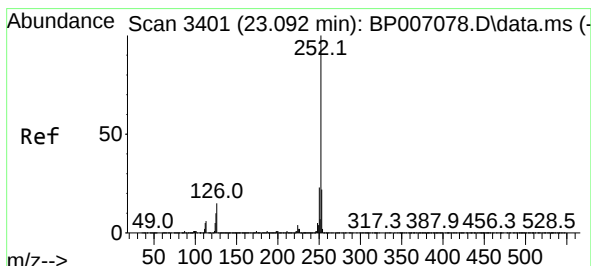
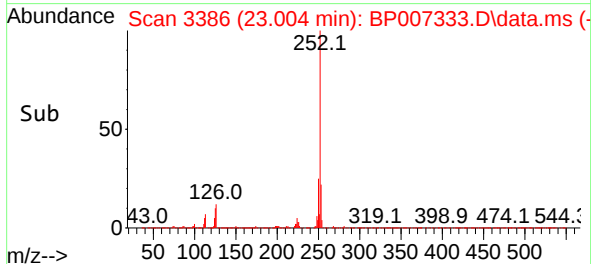
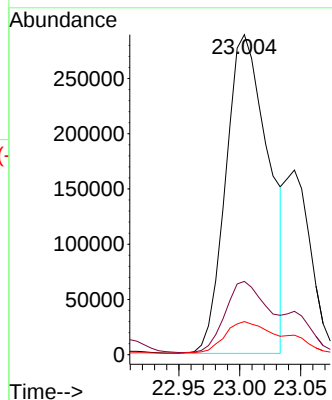
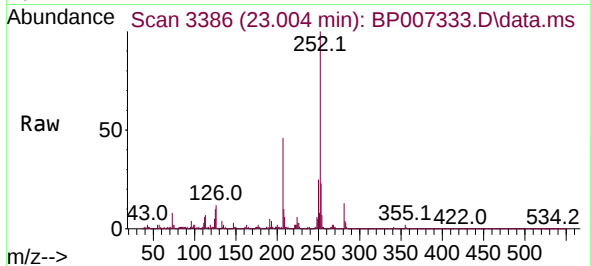




#88
Benzo(b)fluoranthene
Concen: 14.687 ng
RT: 23.004 min Scan# 3386
Delta R.T. -0.006 min
Lab File: BP007333.D
Acq: 05 Oct 2021 19:31

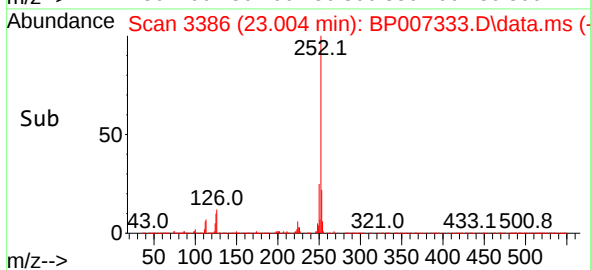
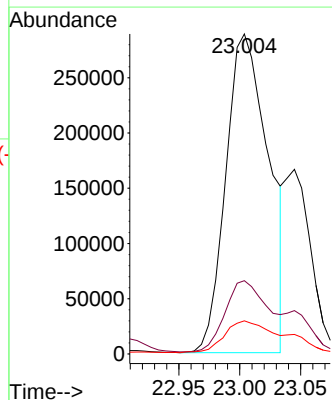
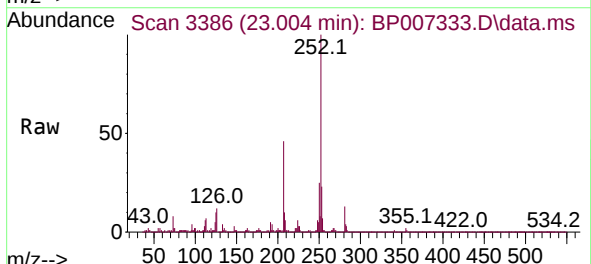
Instrument :
BNA_P
ClientSampleId :
TP-1-(3.0-3.5)

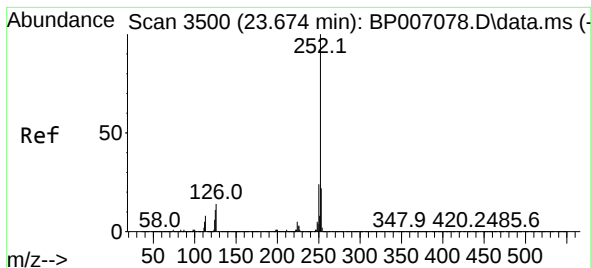
Tgt Ion:252 Resp: 705061
Ion Ratio Lower Upper
252 100
253 22.9 17.5 26.3
125 10.4 6.2 9.4#



#89
Benzo(k)fluoranthene
Concen: 14.506 ng
RT: 23.004 min Scan# 3386
Delta R.T. -0.053 min
Lab File: BP007333.D
Acq: 05 Oct 2021 19:31

Tgt Ion:252 Resp: 705061
Ion Ratio Lower Upper
252 100
253 22.9 17.6 26.4
125 10.4 6.0 9.0#





#90

Benzo(a)pyrene

Concen: 13.157 ng

RT: 23.627 min Scan# 3492

Delta R.T. -0.012 min

Lab File: BP007333.D

Acq: 05 Oct 2021 19:31

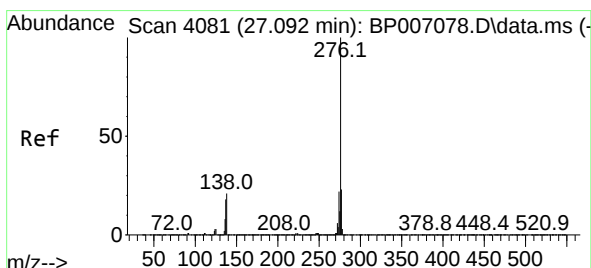
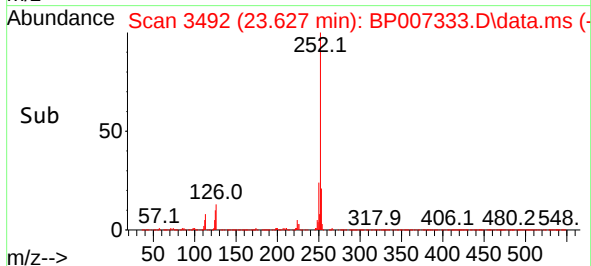
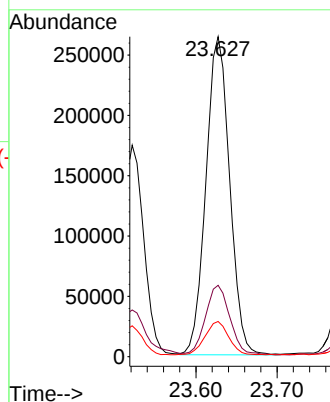
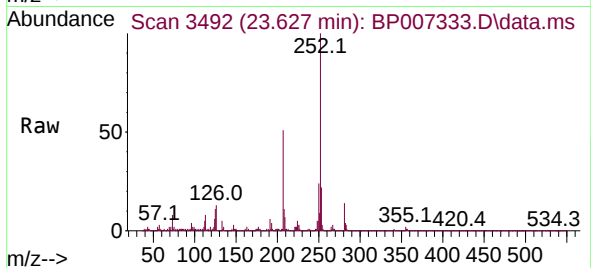
Instrument :

BNA_P

ClientSampleId :

TP-1-(3.0-3.5)

Tgt Ion:252	Resp:	536625
Ion Ratio	Lower	Upper
252	100	
253	22.3	17.9 26.9
125	11.0	6.5 9.7#



#92

Benzo(g,h,i)perylene

Concen: 7.522 ng

RT: 27.015 min Scan# 4068

Delta R.T. -0.029 min

Lab File: BP007333.D

Acq: 05 Oct 2021 19:31

Tgt Ion:276	Resp:	355138
Ion Ratio	Lower	Upper
276	100	
277	23.7	18.9 28.3
138	20.7	12.6 18.8#

