

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092721\
 Data File : BP007212.D
 Acq On : 27 Sep 2021 18:58
 Operator : CG/JU
 Sample : M3934-04 2X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 TP-7

Quant Time: Sep 28 02:50:58 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP092121.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 23 11:17:25 2021
 Response via : Initial Calibration

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

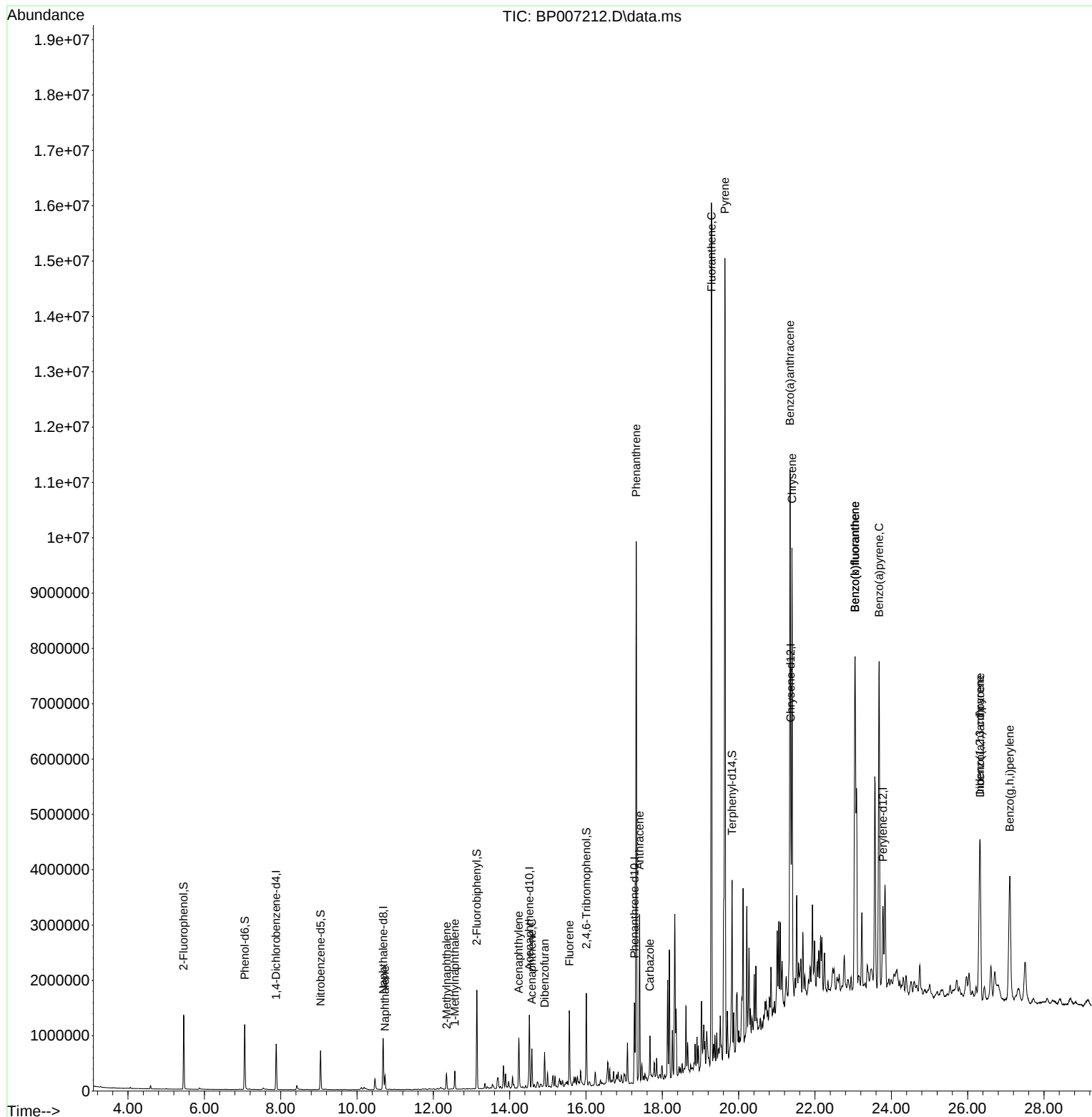
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.881	152	238493	20.000	ng	-0.01
21) Naphthalene-d8	10.687	136	816552	20.000	ng	0.00
39) Acenaphthene-d10	14.516	164	458796	20.000	ng	-0.01
64) Phenanthrene-d10	17.269	188	953677	20.000	ng	0.00
76) Chrysene-d12	21.363	240	1050668	20.000	ng	0.00
86) Perylene-d12	23.780	264	1220501	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.458	112	625555	43.907	ng	0.00
7) Phenol-d6	7.057	99	709147	36.418	ng	0.00
23) Nitrobenzene-d5	9.046	82	408872	29.161	ng	-0.01
42) 2,4,6-Tribromophenol	16.010	330	301225	50.643	ng	0.00
45) 2-Fluorobiphenyl	13.140	172	935161	29.201	ng	-0.01
79) Terphenyl-d14	19.827	244	1335202	24.352	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.734	128	206285	4.950	ng	99
37) 2-Methylnaphthalene	12.345	142	140796	4.825	ng	95
38) 1-Methylnaphthalene	12.563	142	154053	5.403	ng	98
49) Acenaphthylene	14.239	152	665544	16.346	ng	99
52) Acenaphthene	14.581	154	252010	10.216	ng	99
55) Dibenzofuran	14.916	168	279220	6.784	ng	# 95
58) Fluorene	15.563	166	630487	19.829	ng	99
71) Phenanthrene	17.316	178	6372961	124.629	ng	98
72) Anthracene	17.404	178	1899444	37.972	ng	100
73) Carbazole	17.675	167	459015	9.364	ng	98
75) Fluoranthene	19.286	202	10329422	175.329	ng	97
78) Pyrene	19.639	202	9627683	139.667	ng	95
81) Benzo(a)anthracene	21.345	228	5225535	76.623	ng	96
83) Chrysene	21.398	228	4639621	71.182	ng	95
87) Indeno(1,2,3-cd)pyrene	26.321	276	3377695	38.509	ng	98
88) Benzo(b)fluoranthene	23.051	252	6150936	84.329	ng	97
89) Benzo(k)fluoranthene	23.051	252	6150936	83.290	ng	97
90) Benzo(a)pyrene	23.680	252	4997430	80.645	ng	98
91) Dibenzo(a,h)anthracene	26.327	278	830090	11.293	ng	# 84
92) Benzo(g,h,i)perylene	27.103	276	3292979	45.907	ng	97

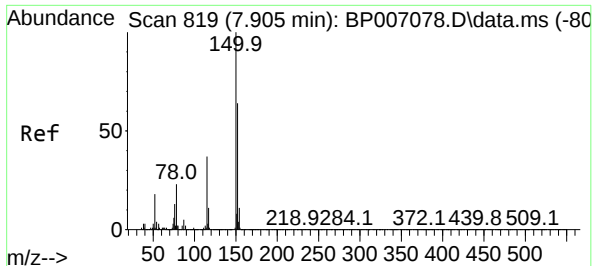
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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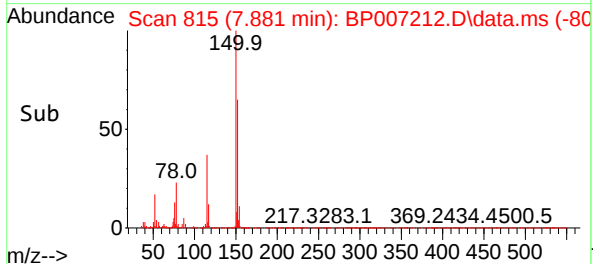
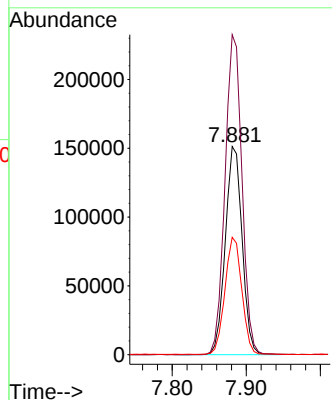
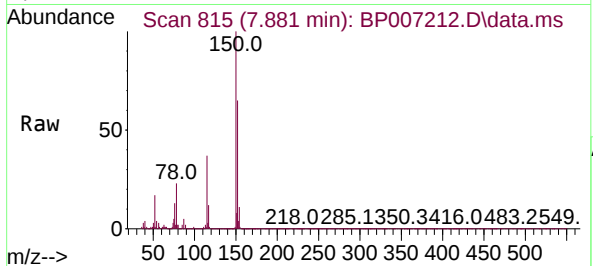




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.881 min Scan# 815
Delta R.T. -0.012 min
Lab File: BP007212.D
Acq: 27 Sep 2021 18:58

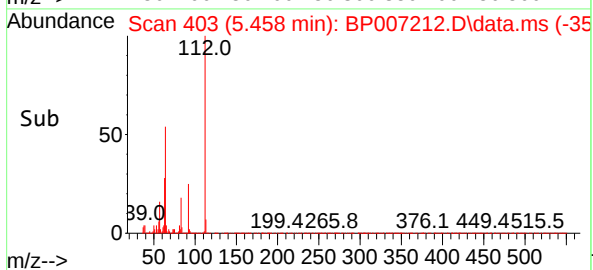
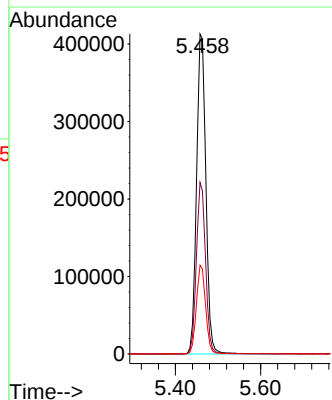
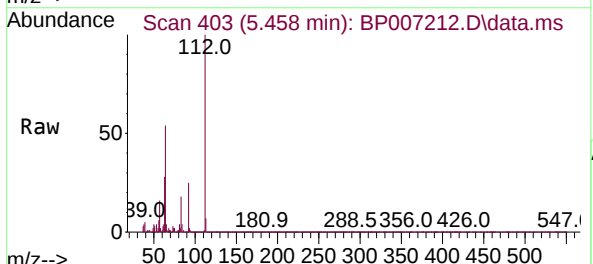
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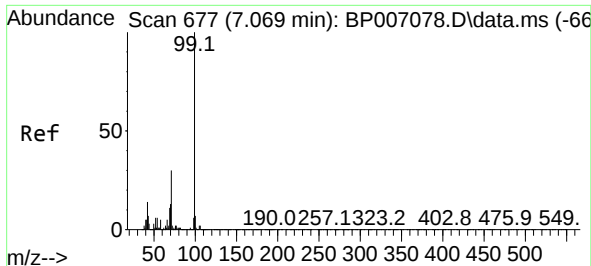
Tgt Ion:152 Resp: 238493
Ion Ratio Lower Upper
152 100
150 153.7 125.6 188.4
115 56.4 48.5 72.7



#5
2-Fluorophenol
Concen: 43.907 ng
RT: 5.458 min Scan# 403
Delta R.T. -0.006 min
Lab File: BP007212.D
Acq: 27 Sep 2021 18:58

Tgt Ion:112 Resp: 625555
Ion Ratio Lower Upper
112 100
64 53.6 41.4 62.2
63 27.7 23.8 35.8

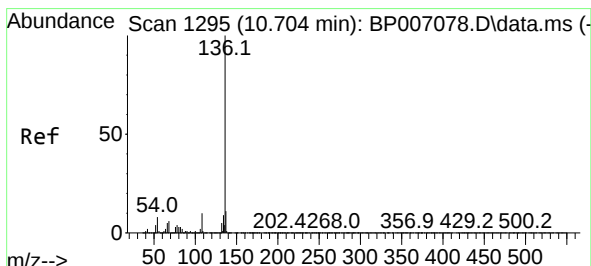
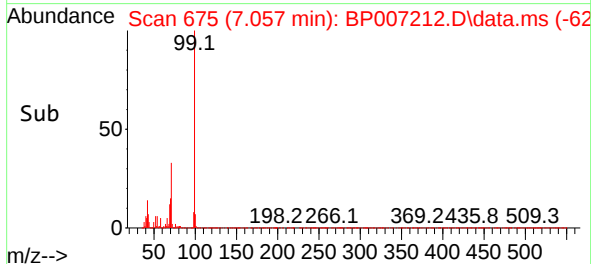
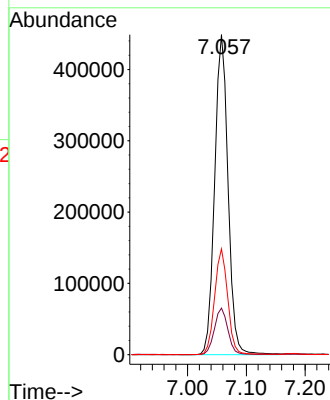
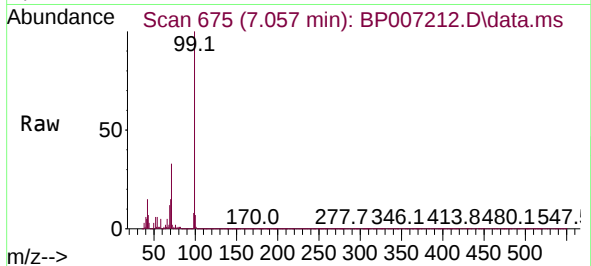




#7
Phenol-d6
Concen: 36.418 ng
RT: 7.057 min Scan# 675
Delta R.T. -0.006 min
Lab File: BP007212.D
Acq: 27 Sep 2021 18:58

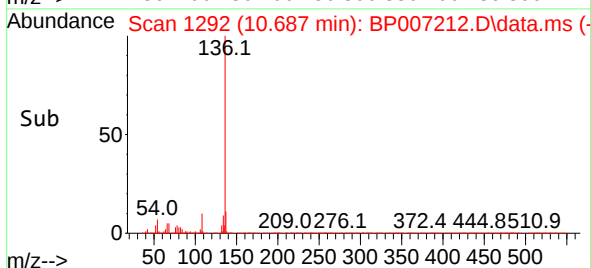
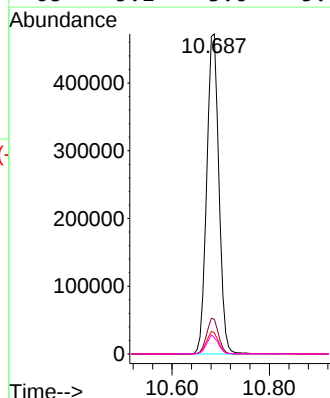
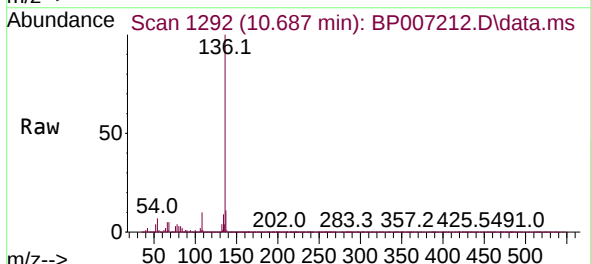
Instrument :
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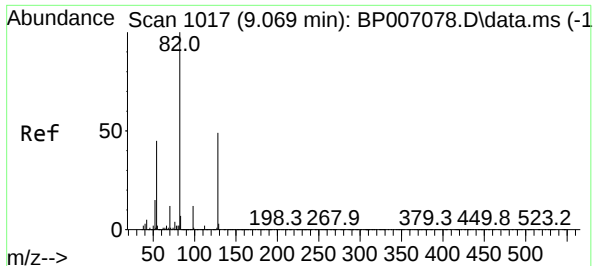
Tgt Ion:	99	Resp:	709147
Ion	Ratio	Lower	Upper
99	100		
42	14.6	13.4	20.0
71	33.0	30.6	46.0



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.687 min Scan# 1292
Delta R.T. -0.006 min
Lab File: BP007212.D
Acq: 27 Sep 2021 18:58

Tgt Ion:	136	Resp:	816552
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	12.8
54	6.6	4.6	6.8
68	5.1	3.6	5.4

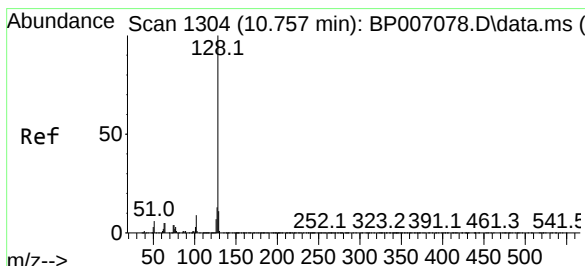
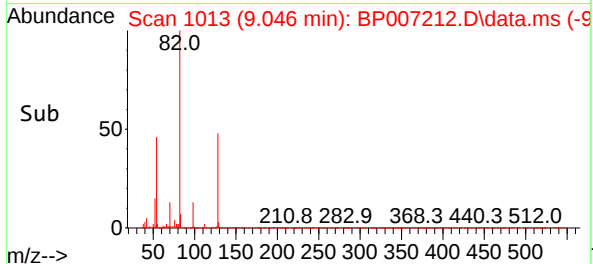
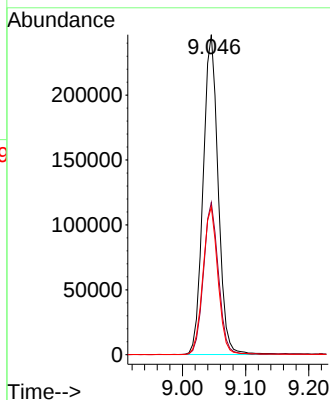
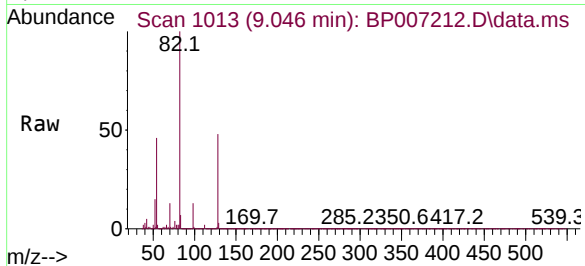




#23
Nitrobenzene-d5
Concen: 29.161 ng
RT: 9.046 min Scan# 1013
Delta R.T. -0.012 min
Lab File: BP007212.D
Acq: 27 Sep 2021 18:58

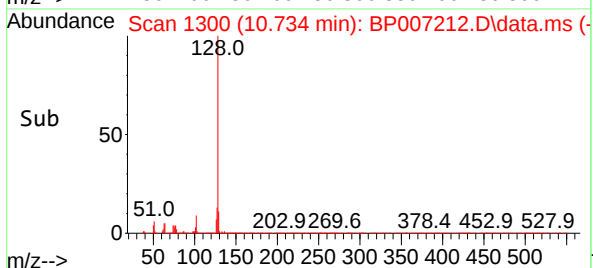
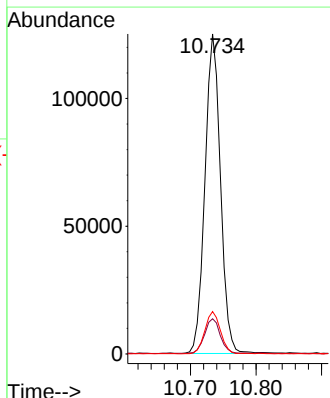
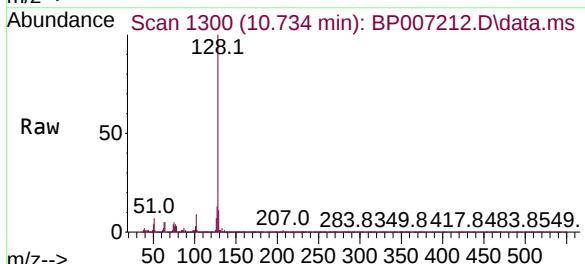
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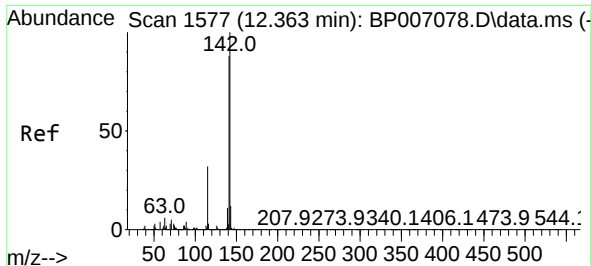
Tgt Ion: 82 Resp: 408872
Ion Ratio Lower Upper
82 100
128 47.5 35.7 53.5
54 46.1 35.0 52.4



#31
Naphthalene
Concen: 4.950 ng
RT: 10.734 min Scan# 1300
Delta R.T. -0.012 min
Lab File: BP007212.D
Acq: 27 Sep 2021 18:58

Tgt Ion: 128 Resp: 206285
Ion Ratio Lower Upper
128 100
129 11.0 9.0 13.6
127 13.2 10.7 16.1

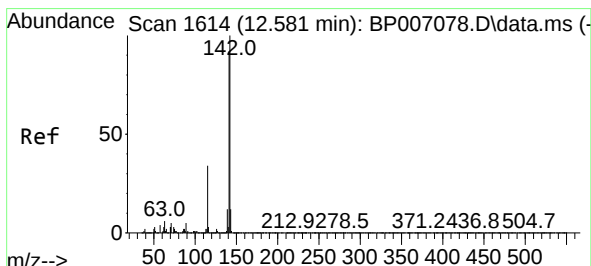
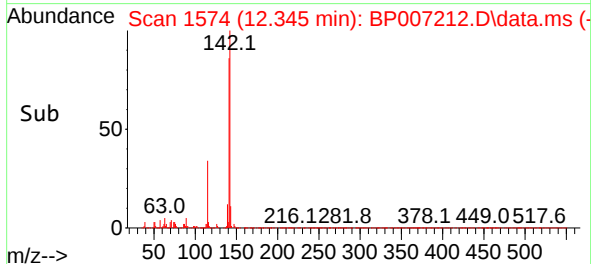
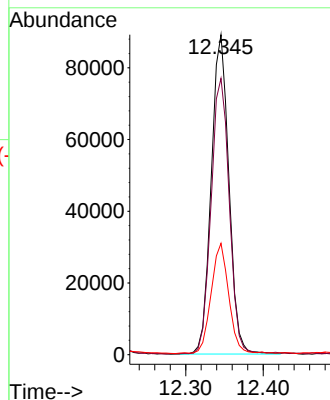
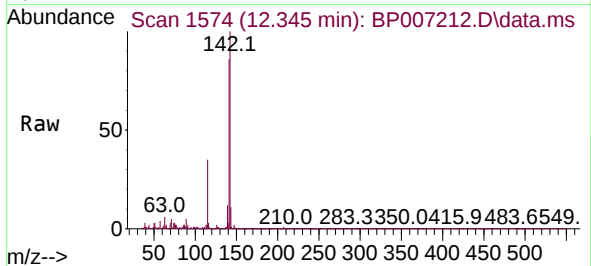




#37
2-Methylnaphthalene
Concen: 4.825 ng
RT: 12.345 min Scan# 1574
Delta R.T. -0.006 min
Lab File: BP007212.D
Acq: 27 Sep 2021 18:58

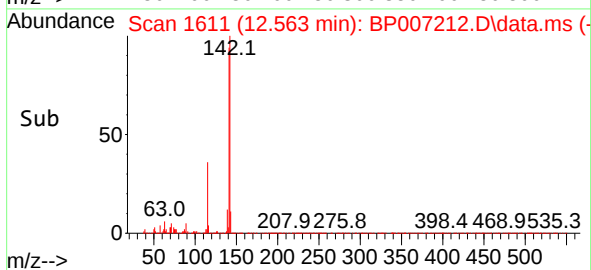
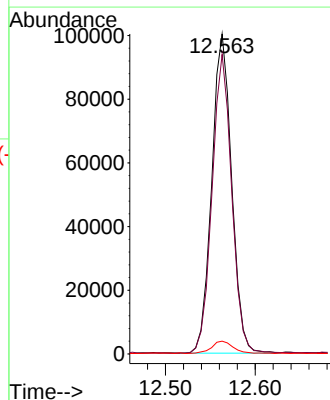
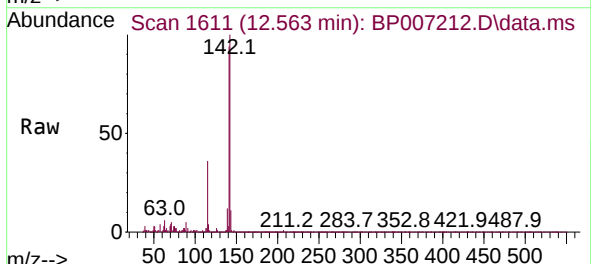
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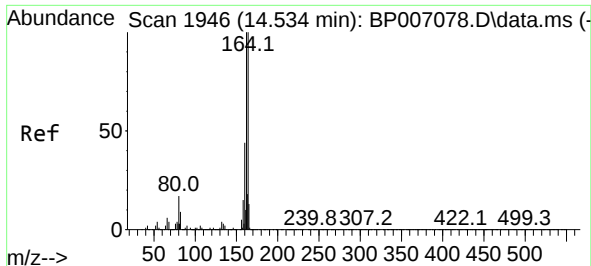
Tgt Ion:	142	Resp:	140796
Ion Ratio	Lower	Upper	
142	100		
141	86.3	71.8	107.6
115	34.8	31.6	47.4



#38
1-Methylnaphthalene
Concen: 5.403 ng
RT: 12.563 min Scan# 1611
Delta R.T. -0.012 min
Lab File: BP007212.D
Acq: 27 Sep 2021 18:58

Tgt Ion:	142	Resp:	154053
Ion Ratio	Lower	Upper	
142	100		
141	93.6	73.3	109.9
116	4.0	3.5	5.3

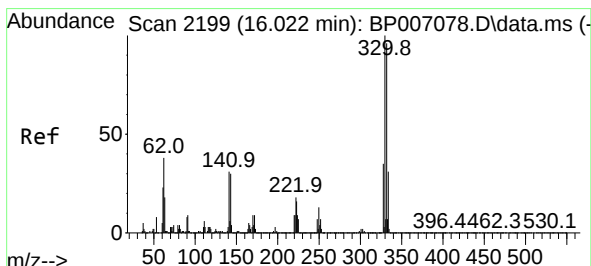
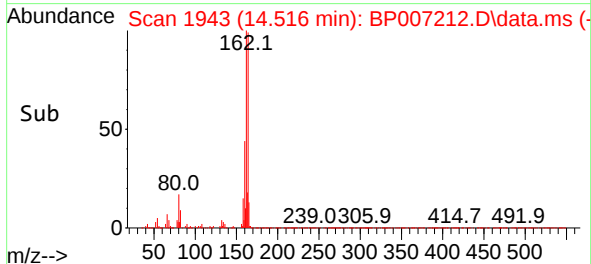
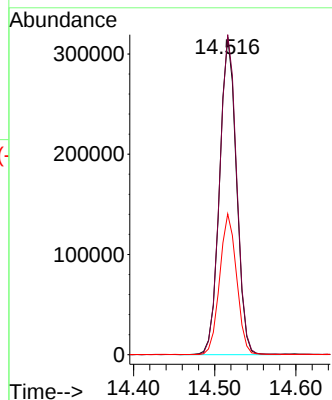
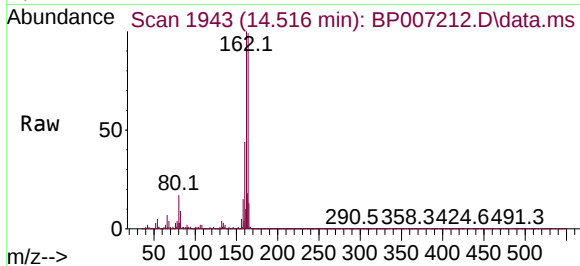




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.516 min Scan# 1943
Delta R.T. -0.012 min
Lab File: BP007212.D
Acq: 27 Sep 2021 18:58

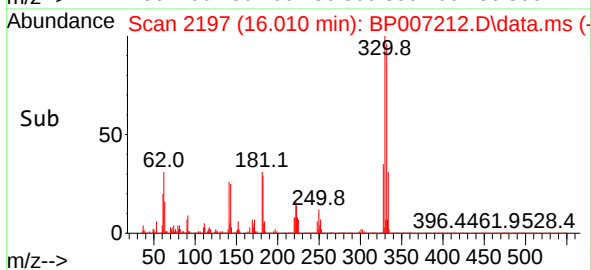
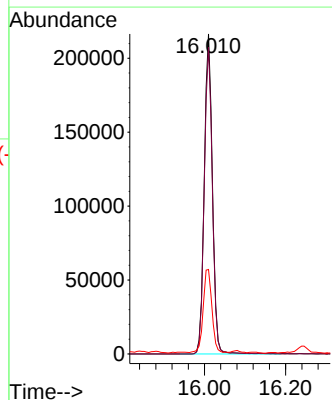
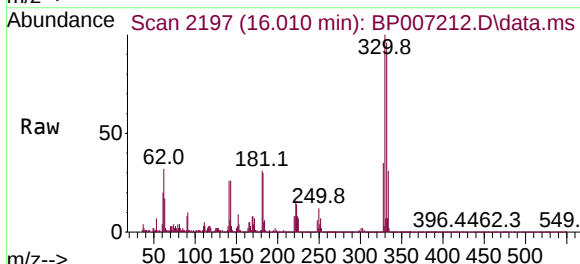
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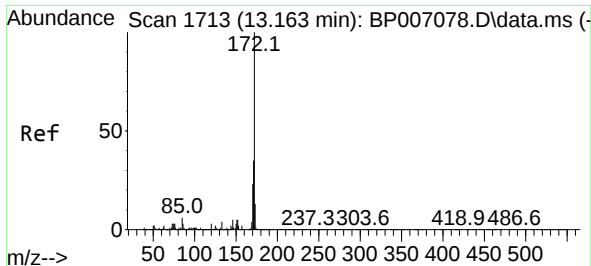
Tgt Ion:164 Resp: 458796
Ion Ratio Lower Upper
164 100
162 100.8 80.2 120.2
160 44.4 34.5 51.7



#42
2,4,6-Tribromophenol
Concen: 50.643 ng
RT: 16.010 min Scan# 2197
Delta R.T. -0.006 min
Lab File: BP007212.D
Acq: 27 Sep 2021 18:58

Tgt Ion:330 Resp: 301225
Ion Ratio Lower Upper
330 100
332 95.3 77.8 116.8
141 27.7 25.4 38.2

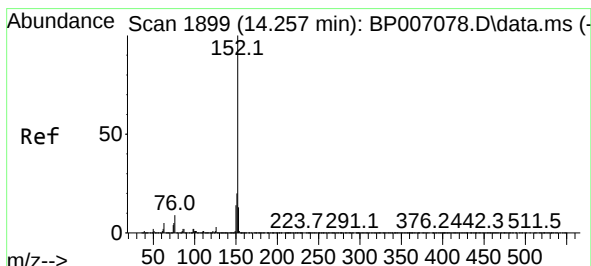
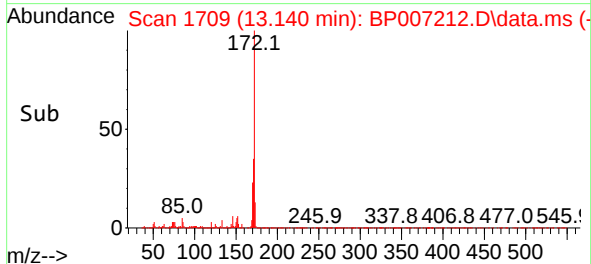
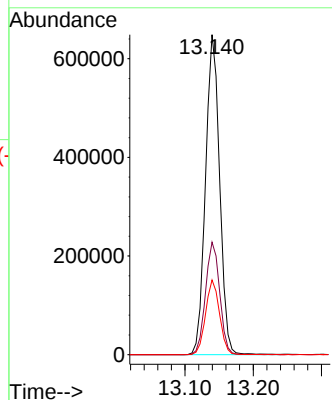
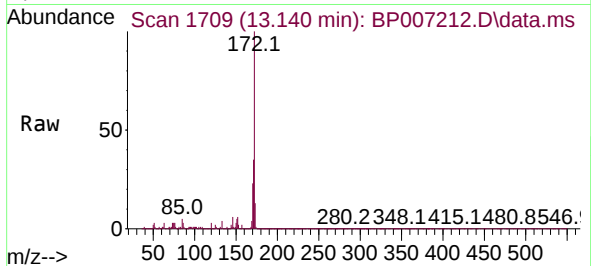




#45
2-Fluorobiphenyl
Concen: 29.201 ng
RT: 13.140 min Scan# 1709
Delta R.T. -0.012 min
Lab File: BP007212.D
Acq: 27 Sep 2021 18:58

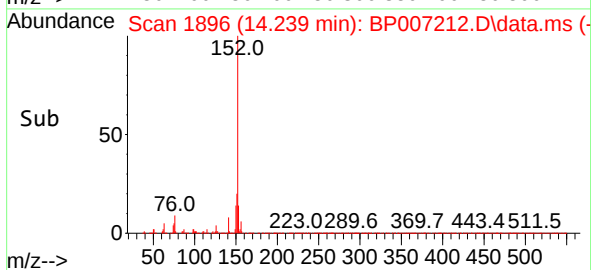
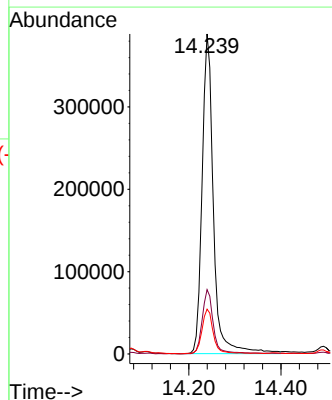
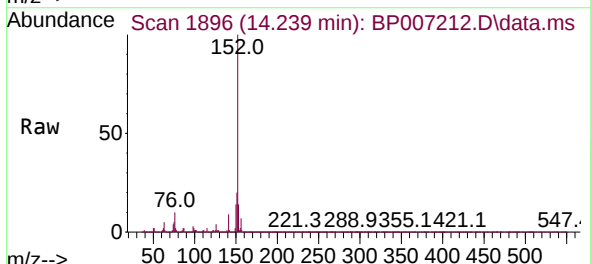
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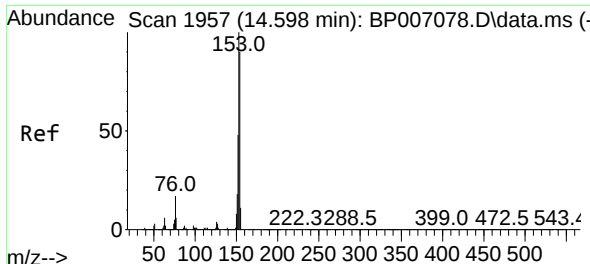
Tgt Ion:	172	Resp:	935161
Ion Ratio	Lower	Upper	
172	100		
171	35.1	27.9	41.9
170	23.3	18.6	27.8



#49
Acenaphthylene
Concen: 16.346 ng
RT: 14.239 min Scan# 1896
Delta R.T. -0.006 min
Lab File: BP007212.D
Acq: 27 Sep 2021 18:58

Tgt Ion:	152	Resp:	665544
Ion Ratio	Lower	Upper	
152	100		
151	20.1	16.2	24.2
153	14.0	10.6	16.0

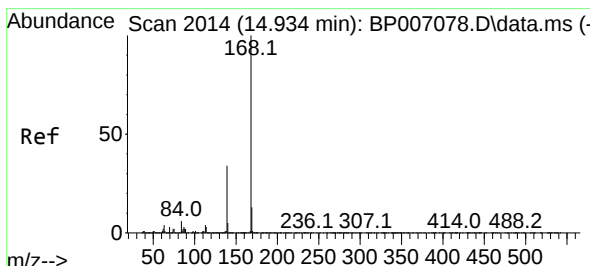
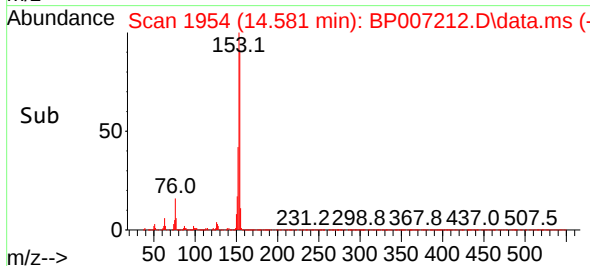
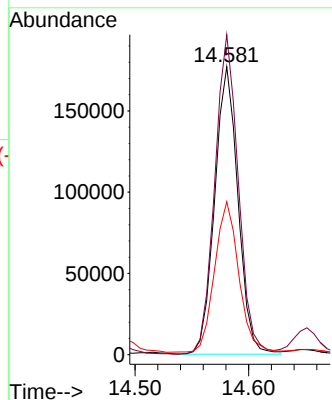
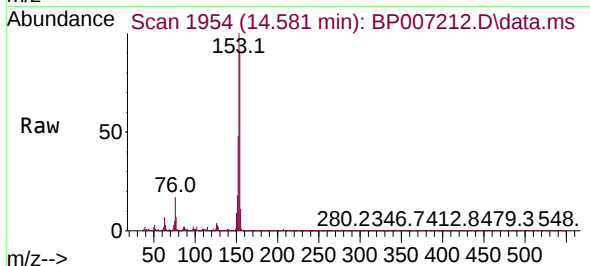




#52
Acenaphthene
Concen: 10.216 ng
RT: 14.581 min Scan# 1954
Delta R.T. -0.006 min
Lab File: BP007212.D
Acq: 27 Sep 2021 18:58

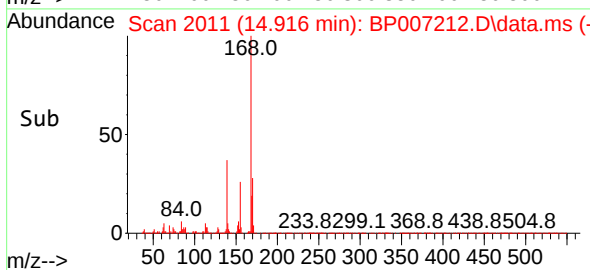
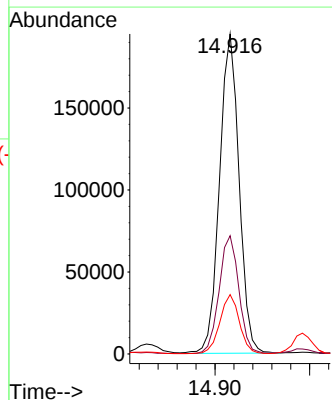
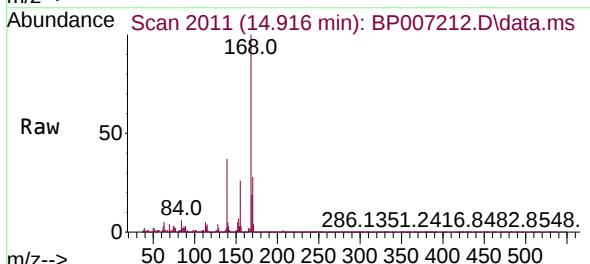
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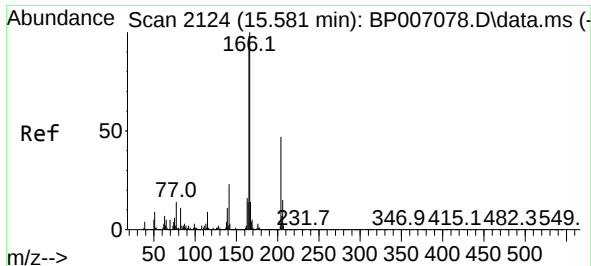
Tgt Ion:154 Resp: 252010
Ion Ratio Lower Upper
154 100
153 111.1 89.4 134.2
152 53.1 43.0 64.4



#55
Dibenzofuran
Concen: 6.784 ng
RT: 14.916 min Scan# 2011
Delta R.T. -0.006 min
Lab File: BP007212.D
Acq: 27 Sep 2021 18:58

Tgt Ion:168 Resp: 279220
Ion Ratio Lower Upper
168 100
139 37.0 31.0 46.6
169 18.5 10.8 16.2#

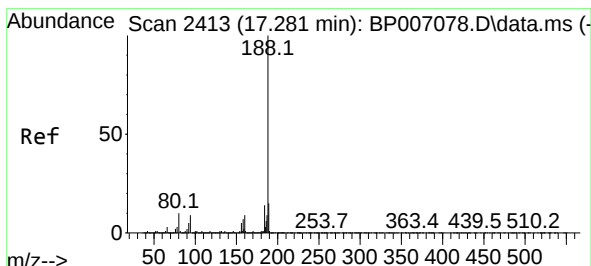
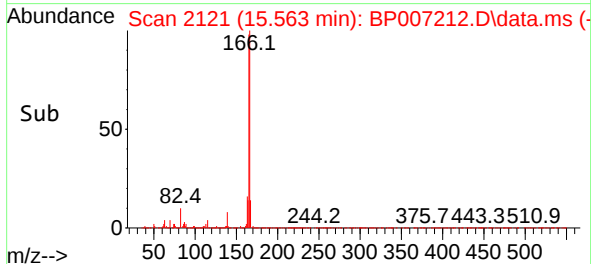
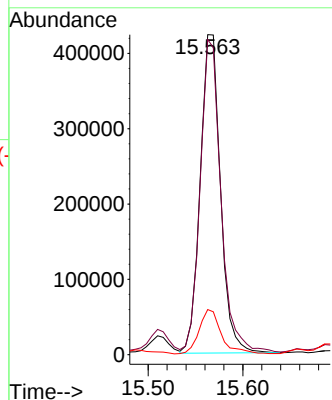
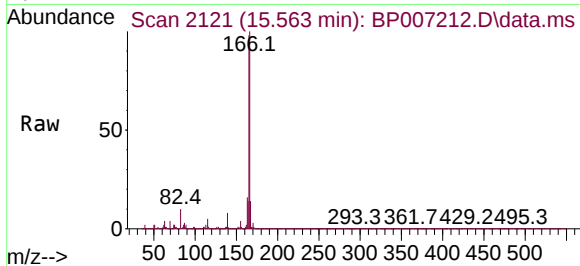




#58
Fluorene
Concen: 19.829 ng
RT: 15.563 min Scan# 2121
Delta R.T. -0.012 min
Lab File: BP007212.D
Acq: 27 Sep 2021 18:58

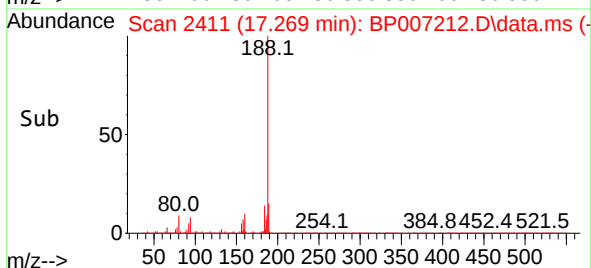
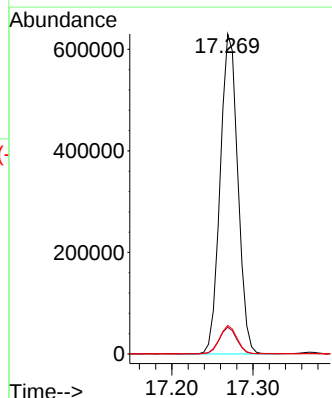
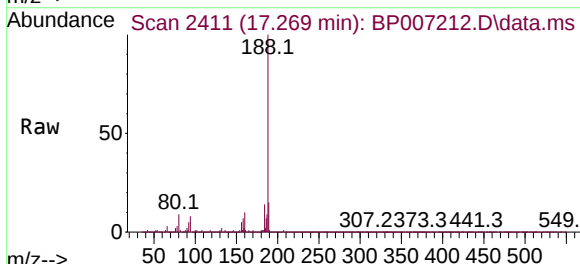
Instrument :
BNA_P
ClientSampleId :
TP-7

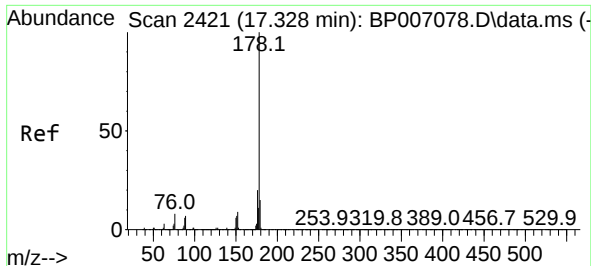
Tgt Ion:166 Resp: 630487
Ion Ratio Lower Upper
166 100
165 98.5 78.0 117.0
167 14.1 10.5 15.7



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.269 min Scan# 2411
Delta R.T. -0.006 min
Lab File: BP007212.D
Acq: 27 Sep 2021 18:58

Tgt Ion:188 Resp: 953677
Ion Ratio Lower Upper
188 100
94 8.3 5.6 8.4
80 8.9 6.3 9.5

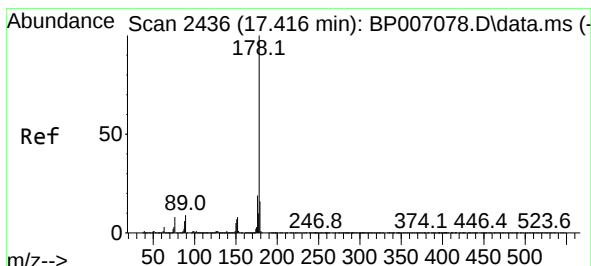
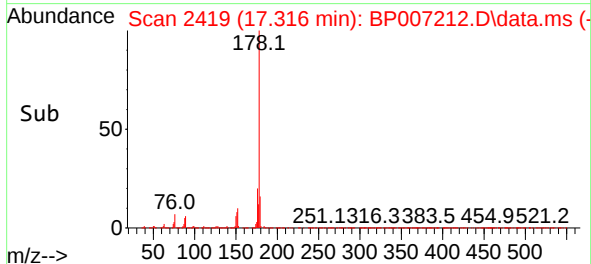
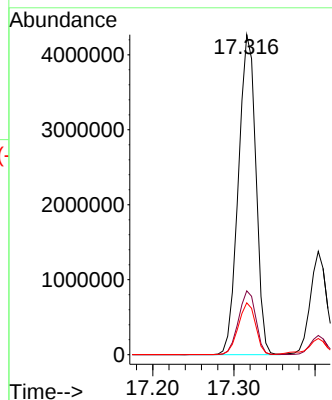
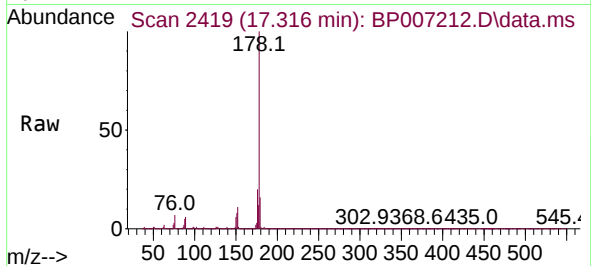




#71
Phenanthrene
Concen: 124.629 ng
RT: 17.316 min Scan# 2419
Delta R.T. -0.000 min
Lab File: BP007212.D
Acq: 27 Sep 2021 18:58

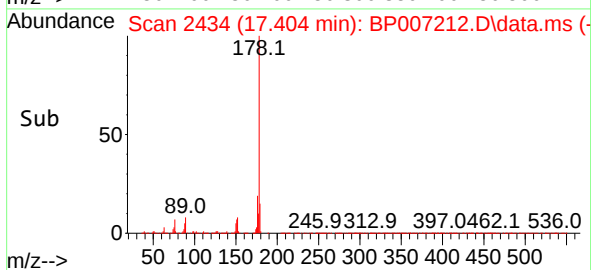
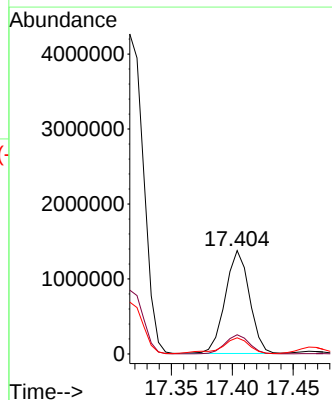
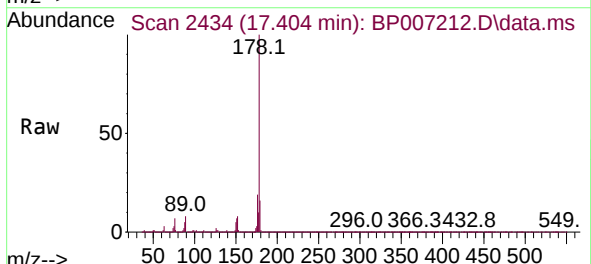
Instrument :
BNA_P
ClientSampleId :
TP-7

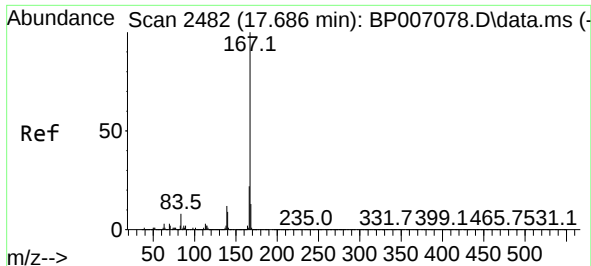
Tgt Ion:178 Resp: 6372961
Ion Ratio Lower Upper
178 100
176 20.0 15.1 22.7
179 16.2 12.4 18.6



#72
Anthracene
Concen: 37.972 ng
RT: 17.404 min Scan# 2434
Delta R.T. -0.006 min
Lab File: BP007212.D
Acq: 27 Sep 2021 18:58

Tgt Ion:178 Resp: 1899444
Ion Ratio Lower Upper
178 100
176 18.6 14.9 22.3
179 15.6 12.2 18.2

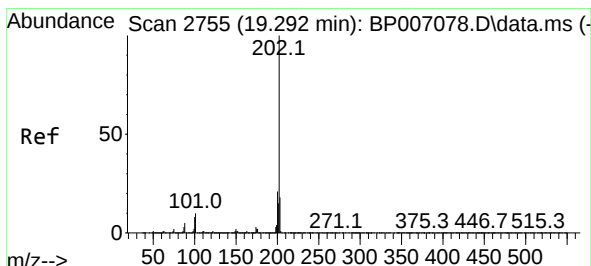
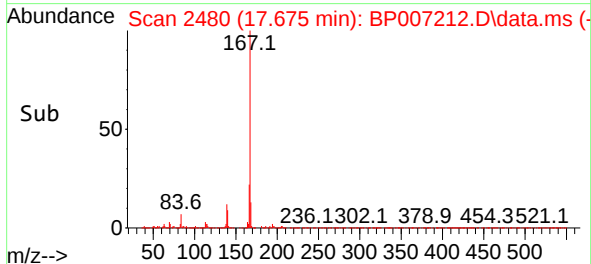
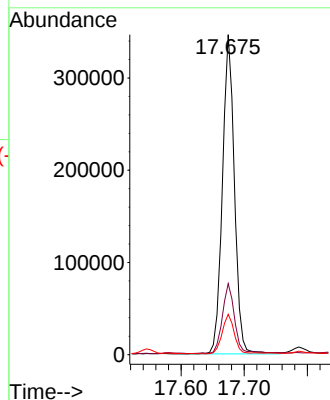
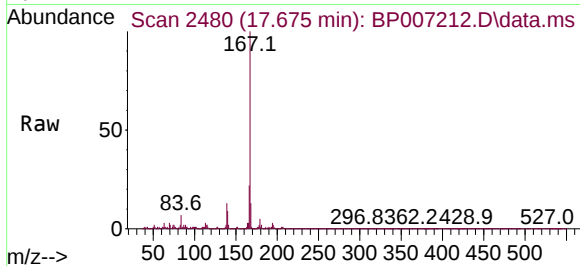




#73
 Carbazole
 Concen: 9.364 ng
 RT: 17.675 min Scan# 2480
 Delta R.T. -0.006 min
 Lab File: BP007212.D
 Acq: 27 Sep 2021 18:58

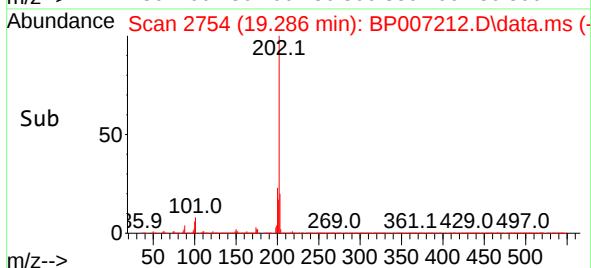
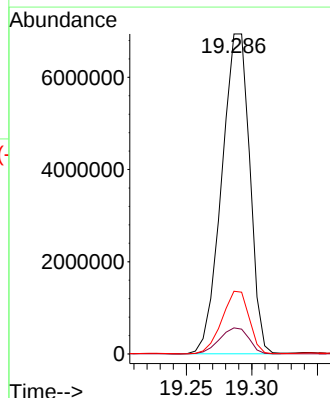
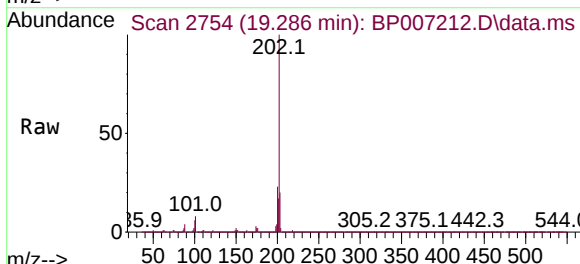
Instrument :
 BNA_P
 ClientSampleId :
 TP-7

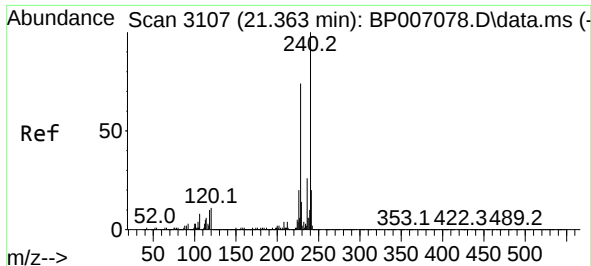
Tgt Ion:167	Resp: 459015
Ion Ratio	Lower Upper
167	100
166	22.2 17.1 25.7
139	12.6 10.7 16.1



#75
 Fluoranthene
 Concen: 175.329 ng
 RT: 19.286 min Scan# 2754
 Delta R.T. 0.006 min
 Lab File: BP007212.D
 Acq: 27 Sep 2021 18:58

Tgt Ion:202	Resp:10329422
Ion Ratio	Lower Upper
202	100
101	8.1 0.0 27.6
203	19.6 0.0 37.8

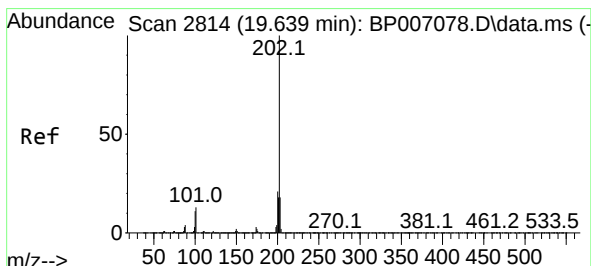
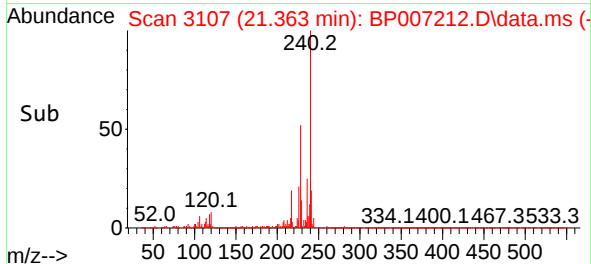
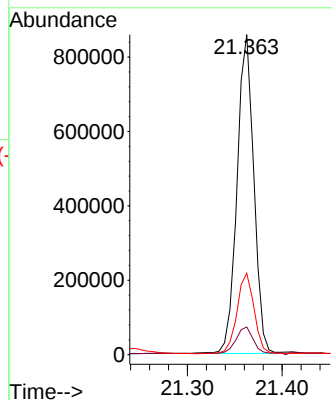
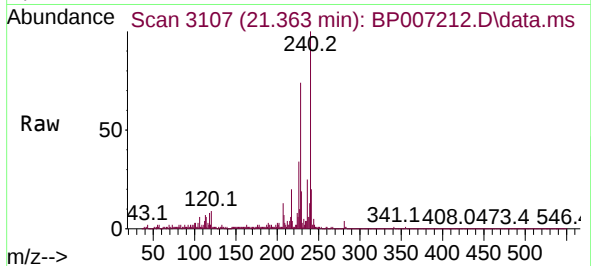




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.363 min Scan# 3107
Delta R.T. 0.006 min
Lab File: BP007212.D
Acq: 27 Sep 2021 18:58

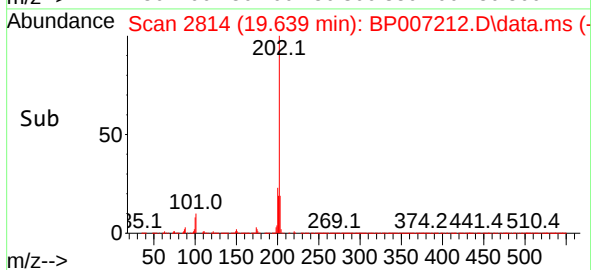
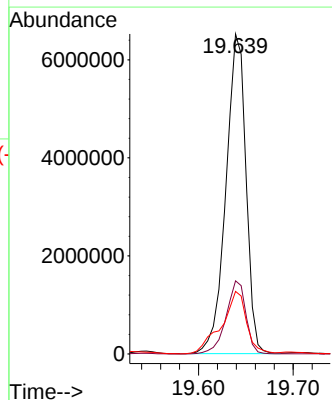
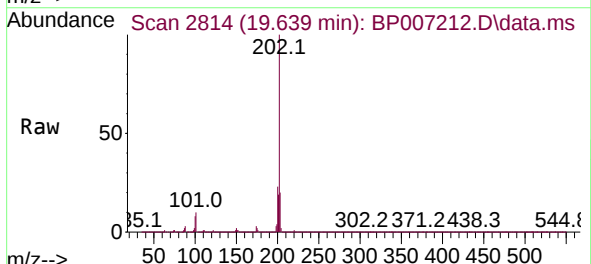
Instrument :
BNA_P
ClientSampleId :
TP-7

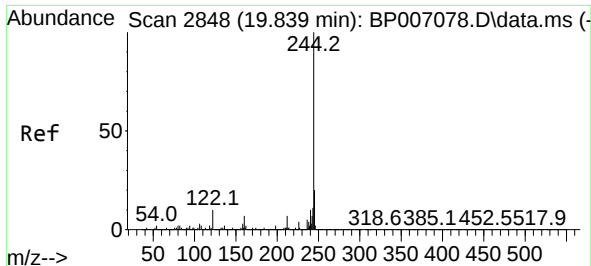
Tgt Ion:240 Resp: 1050668
Ion Ratio Lower Upper
240 100
120 8.7 6.5 9.7
236 25.5 20.6 31.0



#78
Pyrene
Concen: 139.667 ng
RT: 19.639 min Scan# 2814
Delta R.T. 0.006 min
Lab File: BP007212.D
Acq: 27 Sep 2021 18:58

Tgt Ion:202 Resp: 9627683
Ion Ratio Lower Upper
202 100
200 22.8 16.3 24.5
203 19.6 14.2 21.2

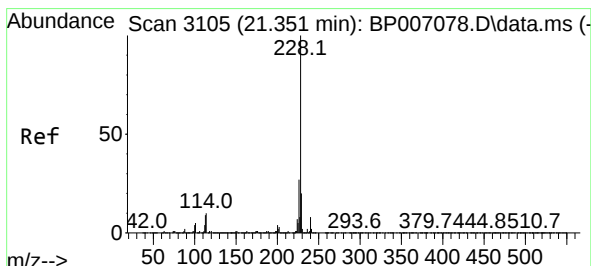
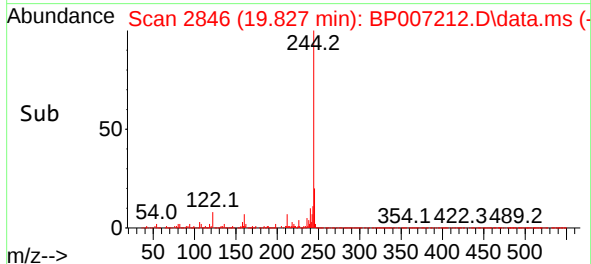
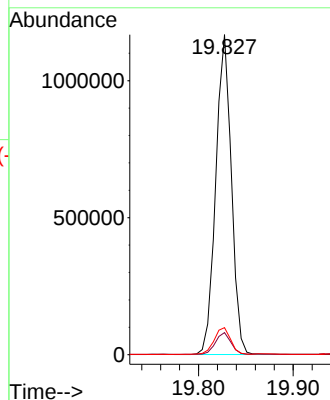
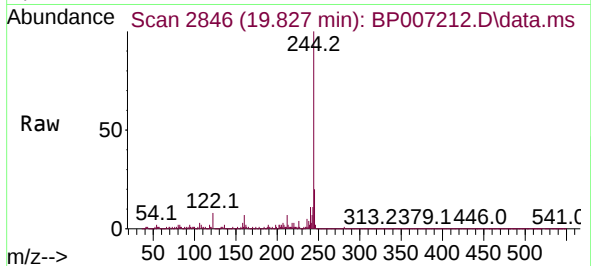




#79
 Terphenyl-d14
 Concen: 24.352 ng
 RT: 19.827 min Scan# 2846
 Delta R.T. -0.006 min
 Lab File: BP007212.D
 Acq: 27 Sep 2021 18:58

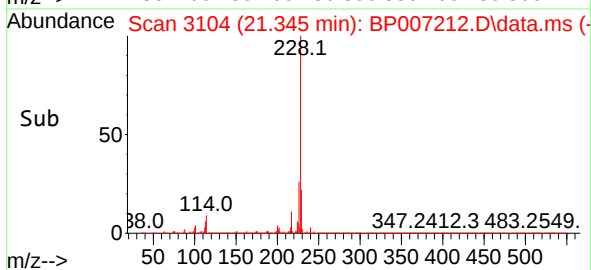
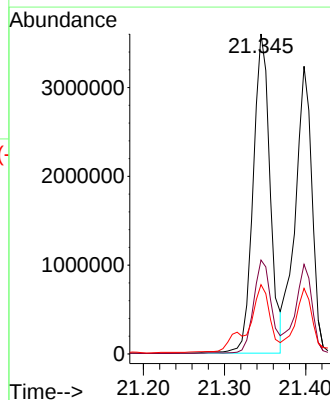
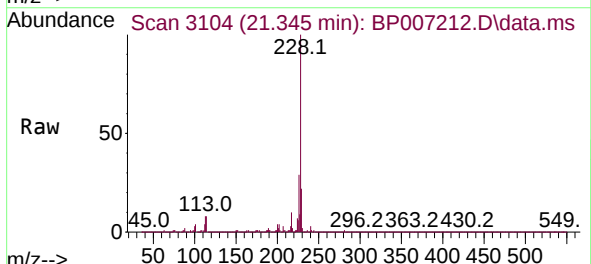
Instrument :
 BNA_P
 ClientSampleId :
 TP-7

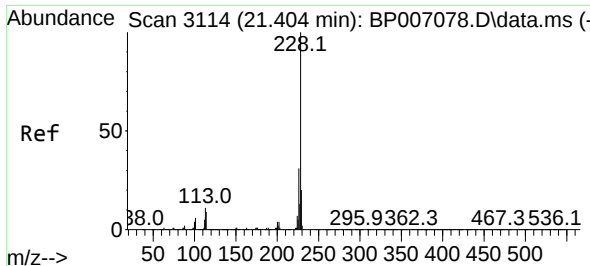
Tgt Ion:244 Resp: 1335202
 Ion Ratio Lower Upper
 244 100
 212 6.9 6.0 9.0
 122 8.4 7.1 10.7



#81
 Benzo(a)anthracene
 Concen: 76.623 ng
 RT: 21.345 min Scan# 3104
 Delta R.T. -0.000 min
 Lab File: BP007212.D
 Acq: 27 Sep 2021 18:58

Tgt Ion:228 Resp: 5225535
 Ion Ratio Lower Upper
 228 100
 226 29.4 21.6 32.4
 229 21.6 15.8 23.6

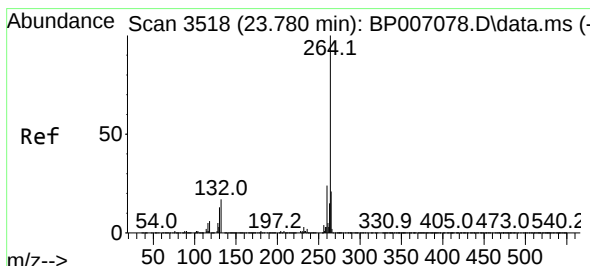
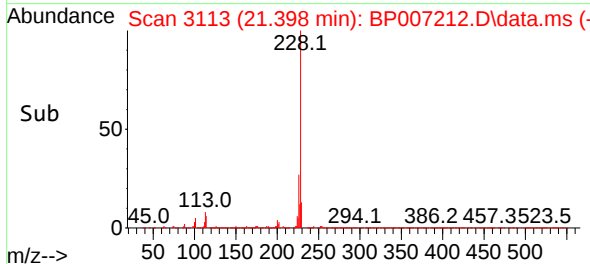
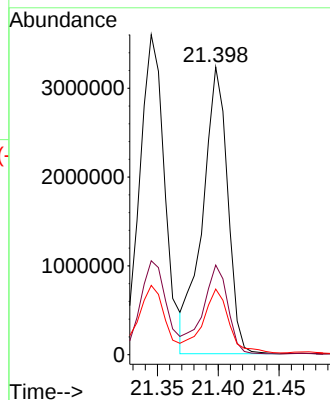
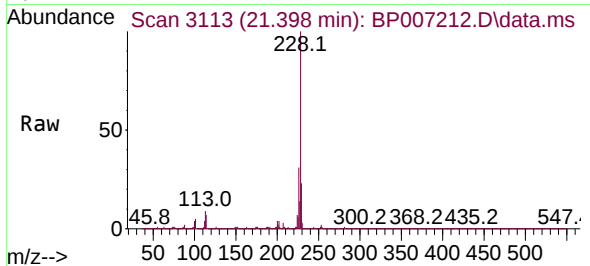




#83
Chrysene
Concen: 71.182 ng
RT: 21.398 min Scan# 3113
Delta R.T. -0.000 min
Lab File: BP007212.D
Acq: 27 Sep 2021 18:58

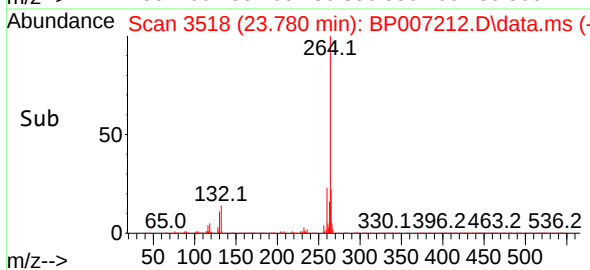
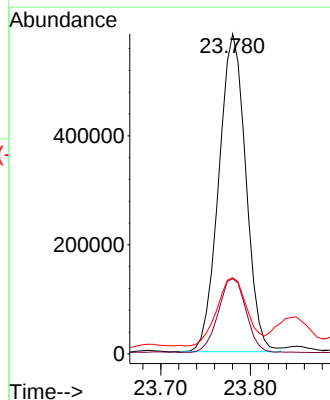
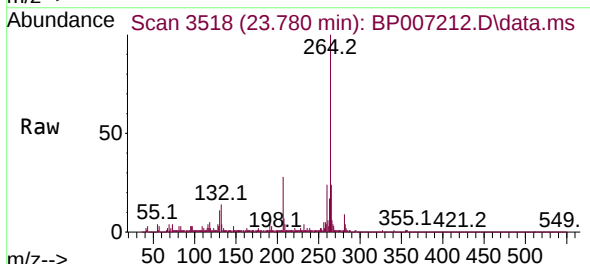
Instrument :
BNA_P
ClientSampleId :
TP-7

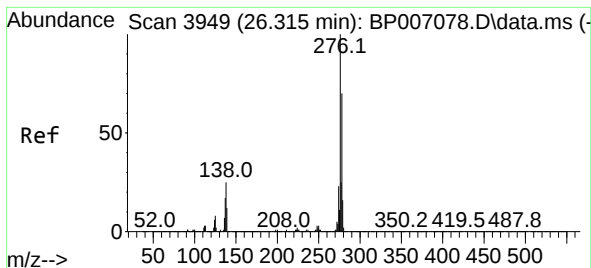
Tgt Ion:228 Resp: 4639621
Ion Ratio Lower Upper
228 100
226 31.1 23.8 35.6
229 22.8 15.4 23.2



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.780 min Scan# 3518
Delta R.T. 0.012 min
Lab File: BP007212.D
Acq: 27 Sep 2021 18:58

Tgt Ion:264 Resp: 1220501
Ion Ratio Lower Upper
264 100
260 23.5 18.6 28.0
265 23.9 17.6 26.4

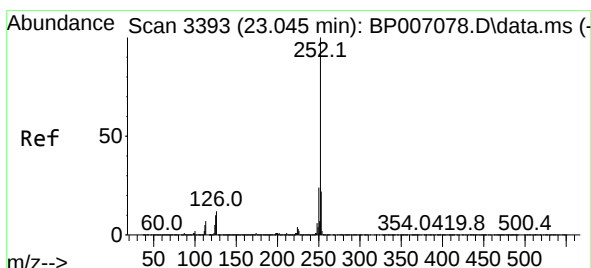
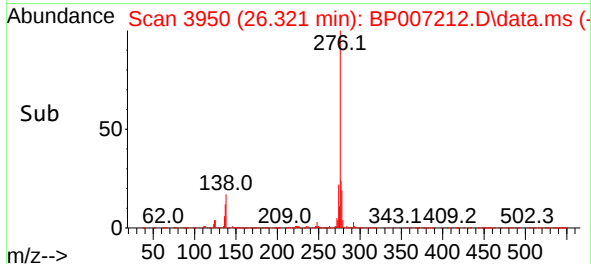
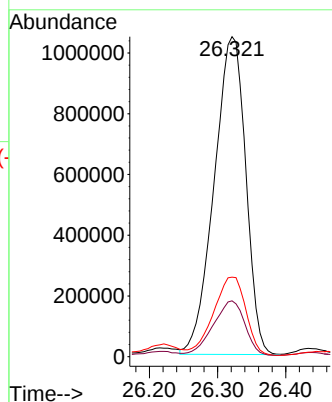
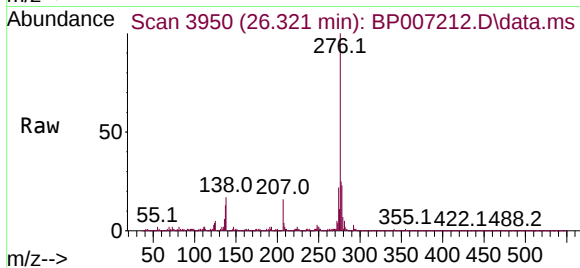




#87
Indeno(1,2,3-cd)pyrene
Concen: 38.509 ng
RT: 26.321 min Scan# 3950
Delta R.T. 0.017 min
Lab File: BP007212.D
Acq: 27 Sep 2021 18:58

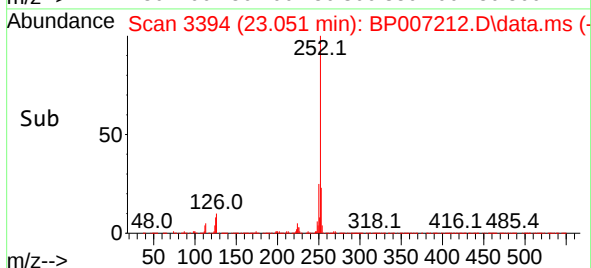
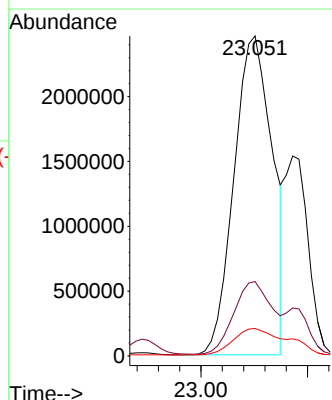
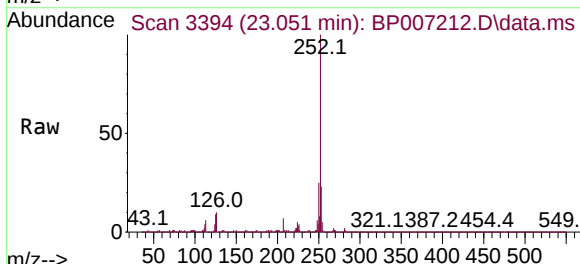
Instrument :
BNA_P
ClientSampleId :
TP-7

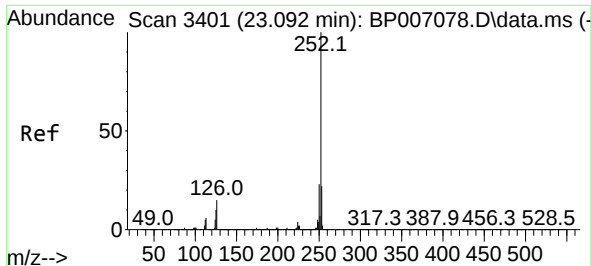
Tgt Ion:276 Resp: 3377695
Ion Ratio Lower Upper
276 100
138 17.2 15.3 22.9
277 25.2 20.4 30.6



#88
Benzo(b)fluoranthene
Concen: 84.329 ng
RT: 23.051 min Scan# 3394
Delta R.T. 0.017 min
Lab File: BP007212.D
Acq: 27 Sep 2021 18:58

Tgt Ion:252 Resp: 6150936
Ion Ratio Lower Upper
252 100
253 23.3 17.5 26.3
125 8.6 6.2 9.4

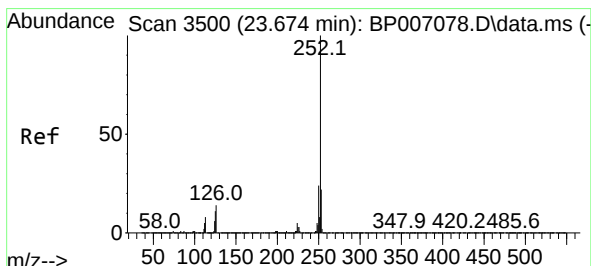
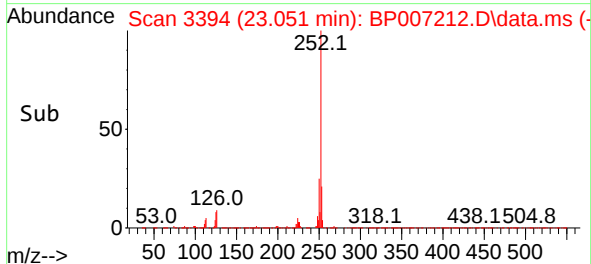
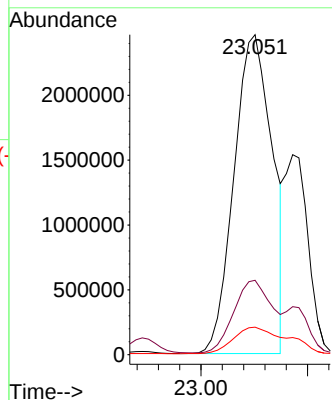
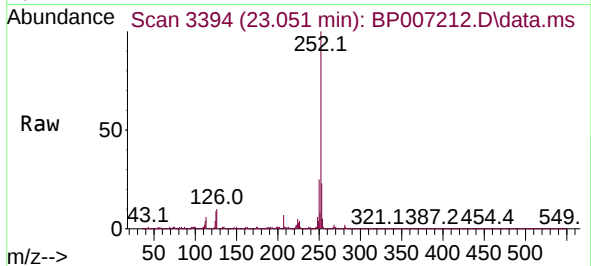




#89
Benzo(k)fluoranthene
Concen: 83.290 ng
RT: 23.051 min Scan# 3394
Delta R.T. -0.035 min
Lab File: BP007212.D
Acq: 27 Sep 2021 18:58

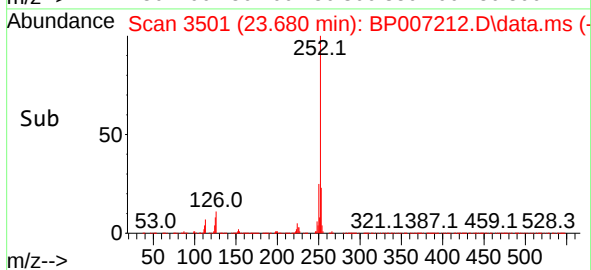
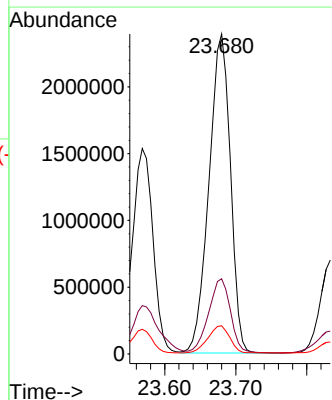
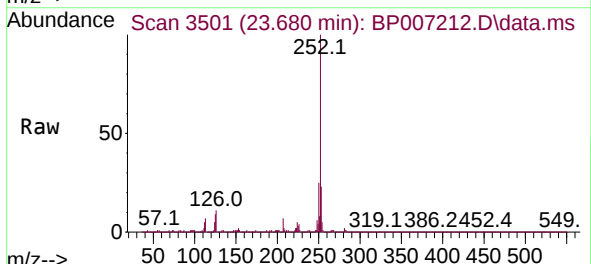
Instrument :
BNA_P
ClientSampleId :
TP-7

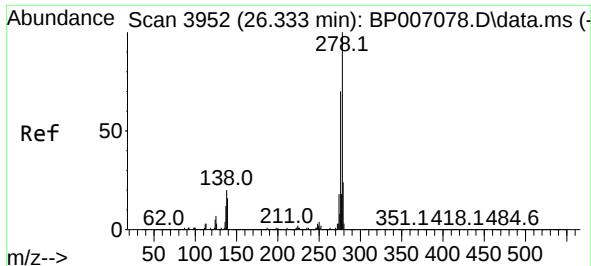
Tgt Ion:252 Resp: 6150936
Ion Ratio Lower Upper
252 100
253 23.3 17.6 26.4
125 8.6 6.0 9.0



#90
Benzo(a)pyrene
Concen: 80.645 ng
RT: 23.680 min Scan# 3501
Delta R.T. 0.012 min
Lab File: BP007212.D
Acq: 27 Sep 2021 18:58

Tgt Ion:252 Resp: 4997430
Ion Ratio Lower Upper
252 100
253 23.5 17.9 26.9
125 8.8 6.5 9.7

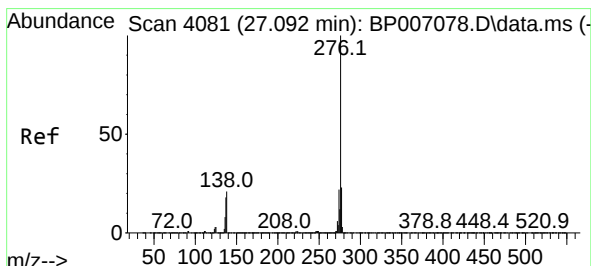
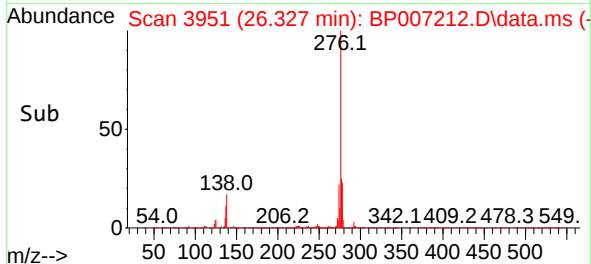
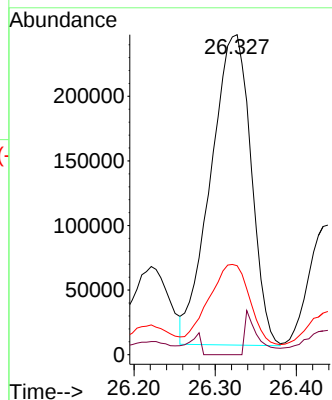
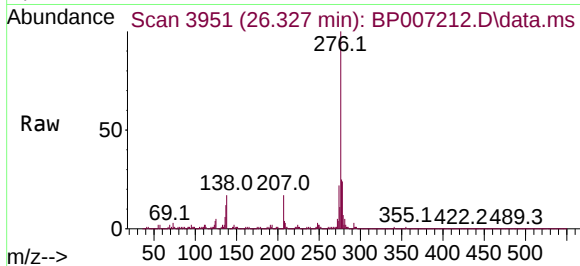




#91
Dibenzo(a,h)anthracene
Concen: 11.293 ng
RT: 26.327 min Scan# 3951
Delta R.T. 0.012 min
Lab File: BP007212.D
Acq: 27 Sep 2021 18:58

Instrument :
BNA_P
ClientSampleId :
TP-7

Tgt Ion:278 Resp: 830090
Ion Ratio Lower Upper
278 100
139 0.0 9.3 13.9#
279 27.8 18.8 28.2



#92
Benzo(g,h,i)perylene
Concen: 45.907 ng
RT: 27.103 min Scan# 4083
Delta R.T. 0.029 min
Lab File: BP007212.D
Acq: 27 Sep 2021 18:58

Tgt Ion:276 Resp: 3292979
Ion Ratio Lower Upper
276 100
277 24.2 18.9 28.3
138 17.8 12.6 18.8

