

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092421\
 Data File : BP007169.D
 Acq On : 24 Sep 2021 21:05
 Operator : CG/JU
 Sample : M3775-07
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

Quant Time: Sep 25 01:48:14 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)

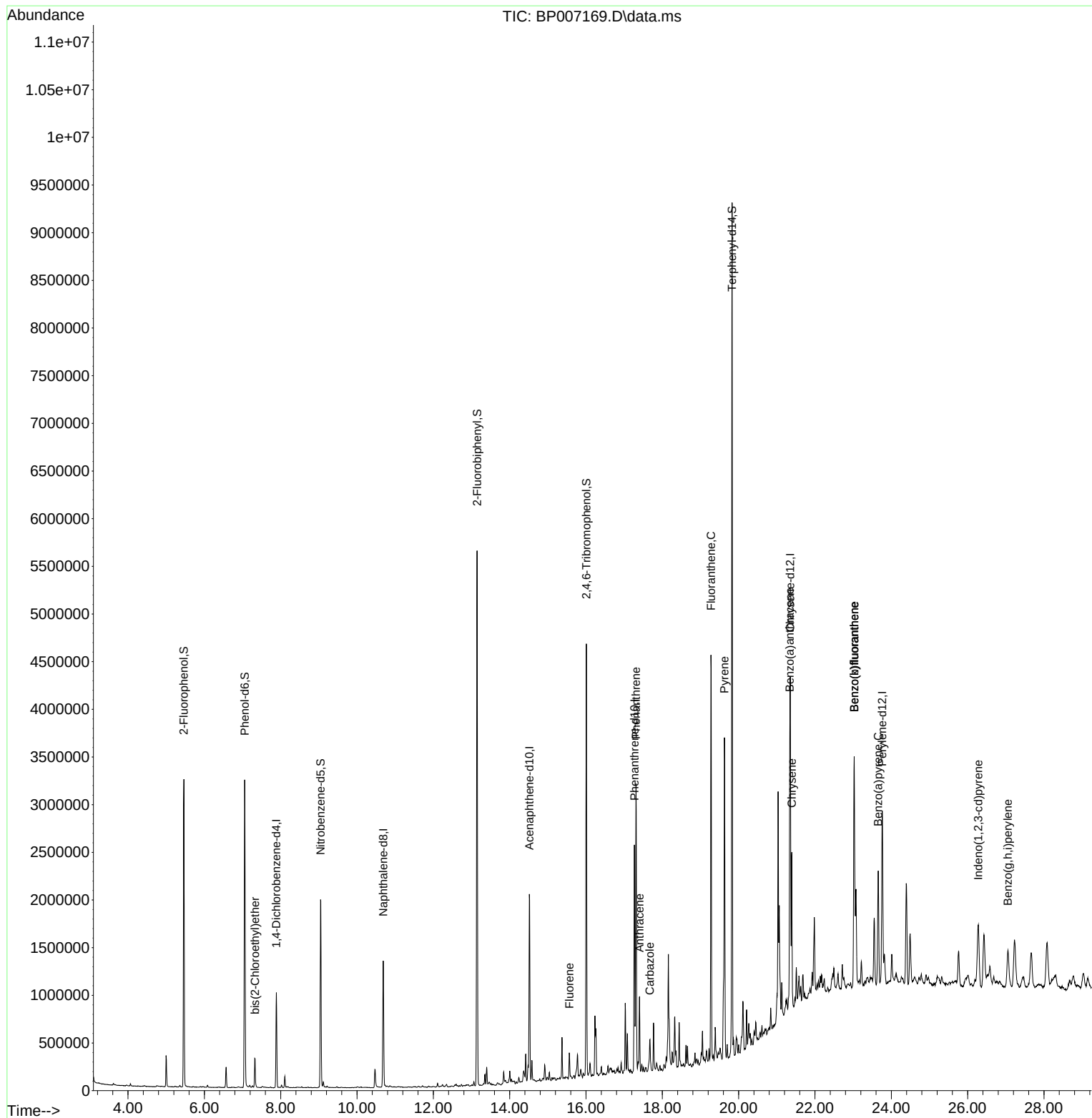
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.887	152	282608	20.000	ng	0.00
21) Naphthalene-d8	10.687	136	1130409	20.000	ng	# 0.00
39) Acenaphthene-d10	14.516	164	711872	20.000	ng	-0.01
64) Phenanthrene-d10	17.269	188	1429939	20.000	ng	# 0.00
76) Chrysene-d12	21.351	240	1349936	20.000	ng	# 0.00
86) Perylene-d12	23.763	264	1422959	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.464	112	1502183	88.977	ng	0.00
7) Phenol-d6	7.058	99	2027897	87.884	ng	0.00
23) Nitrobenzene-d5	9.046	82	1189430	61.277	ng	-0.01
42) 2,4,6-Tribromophenol	16.010	330	934885	101.298	ng	0.00
45) 2-Fluorobiphenyl	13.146	172	3063702	61.656	ng	0.00
79) Terphenyl-d14	19.828	244	4140335	58.773	ng	0.00
Target Compounds						
						Qvalue
11) bis(2-Chloroethyl)ether	7.328	93	127687	7.271	ng	# 28
58) Fluorene	15.563	166	117353	2.379	ng	97
71) Phenanthrene	17.310	178	1860424	24.265	ng	100
72) Anthracene	17.404	178	528411	7.045	ng	99
73) Carbazole	17.675	167	219596	2.988	ng	99
75) Fluoranthene	19.275	202	2573519	29.133	ng	97
78) Pyrene	19.628	202	2099846	23.709	ng	99
81) Benzo(a)anthracene	21.339	228	1126895	12.861	ng	98
83) Chrysene	21.392	228	915306	10.930	ng	97
87) Indeno(1,2,3-cd)pyrene	26.280	276	555552	5.433	ng	99
88) Benzo(b)fluoranthene	23.027	252	1158357	13.622	ng	# 95
89) Benzo(k)fluoranthene	23.027	252	1158357	13.454	ng	# 95
90) Benzo(a)pyrene	23.657	252	843450	11.674	ng	# 97
92) Benzo(g,h,i)perylene	27.057	276	518142	6.196	ng	# 92

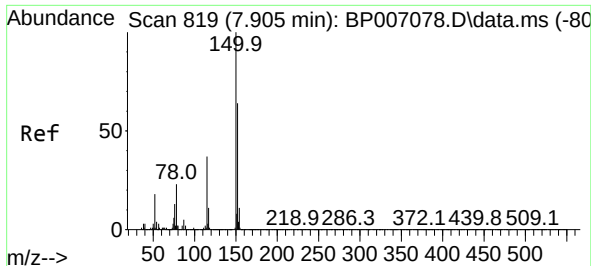
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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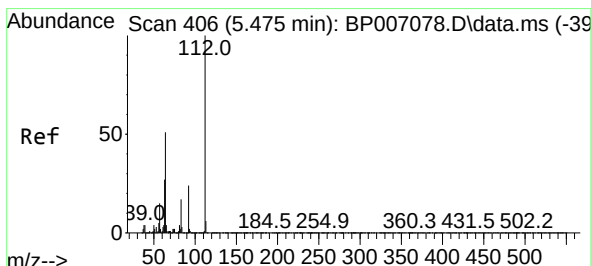
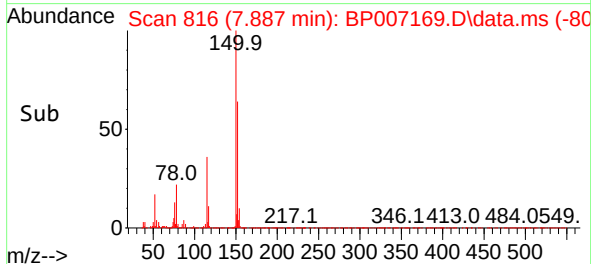
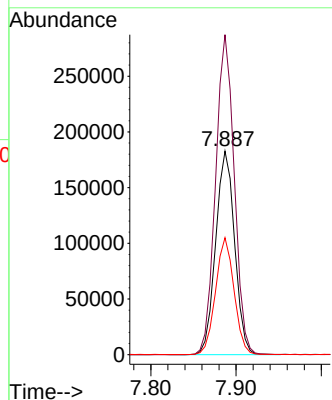
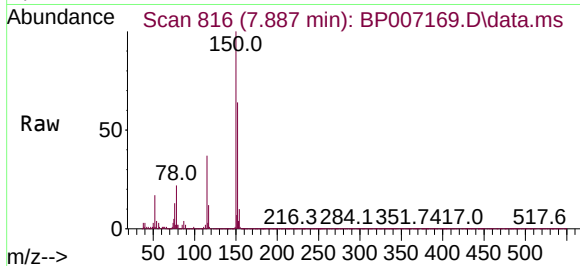




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.887 min Scan# 816
Delta R.T. -0.006 min
Lab File: BP007169.D
Acq: 24 Sep 2021 21:05

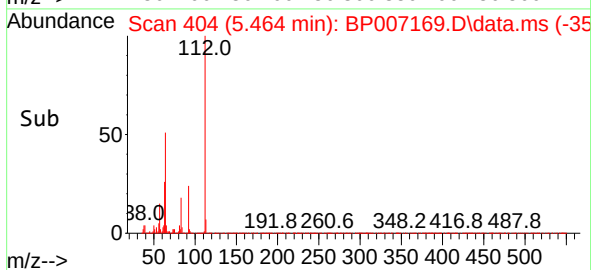
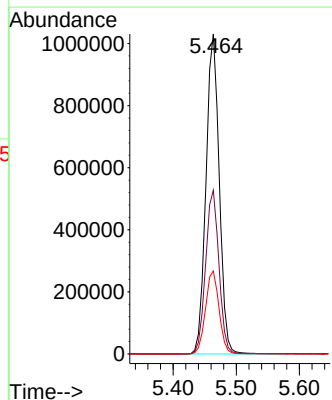
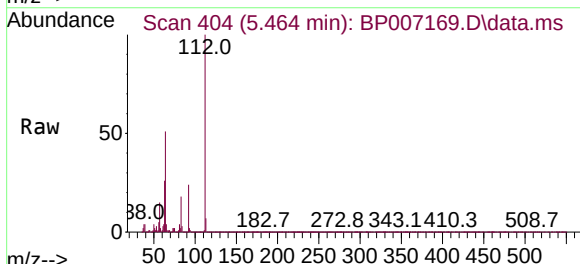
Instrument :
BNA_P
ClientSampleId :

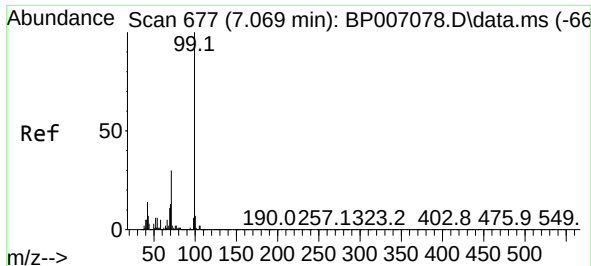
Tgt Ion:152 Resp: 282608
Ion Ratio Lower Upper
152 100
150 157.2 125.6 188.4
115 57.5 48.5 72.7



#5
2-Fluorophenol
Concen: 88.977 ng
RT: 5.464 min Scan# 404
Delta R.T. -0.000 min
Lab File: BP007169.D
Acq: 24 Sep 2021 21:05

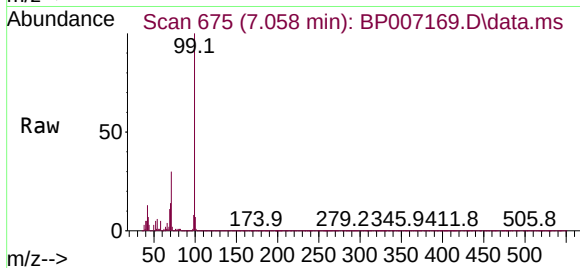
Tgt Ion:112 Resp: 1502183
Ion Ratio Lower Upper
112 100
64 51.1 41.4 62.2
63 26.0 23.8 35.8



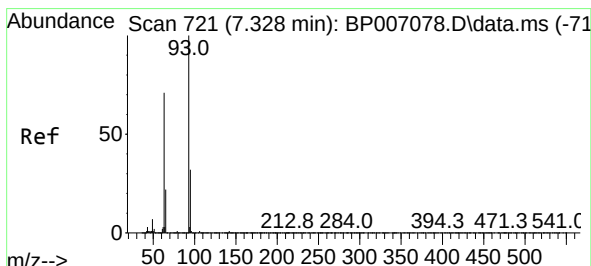
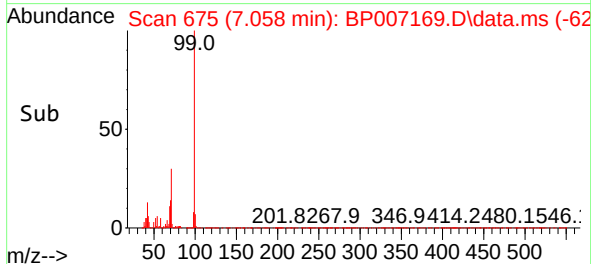
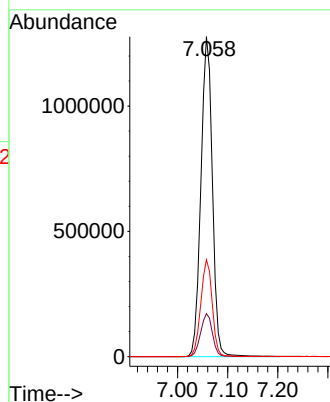


#7
Phenol-d6
Concen: 87.884 ng
RT: 7.058 min Scan# 675
Delta R.T. -0.006 min
Lab File: BP007169.D
Acq: 24 Sep 2021 21:05

Instrument :
BNA_P
ClientSampleId :

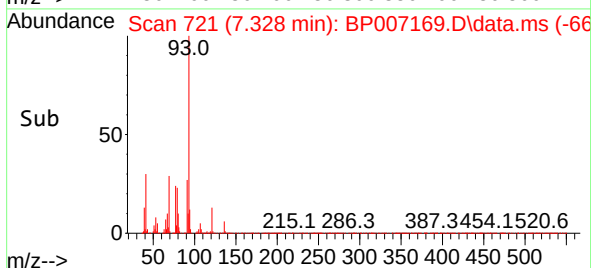
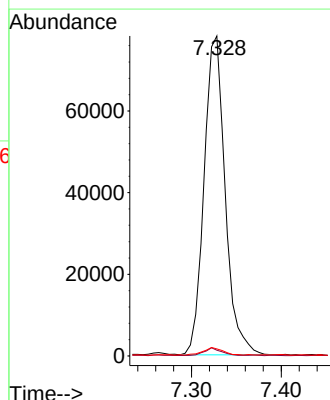
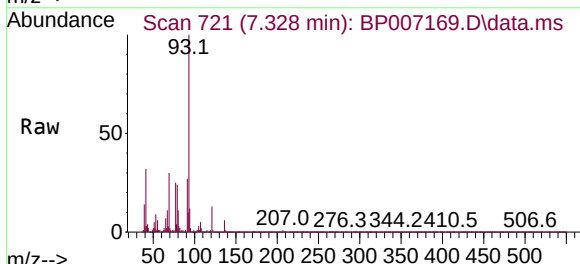


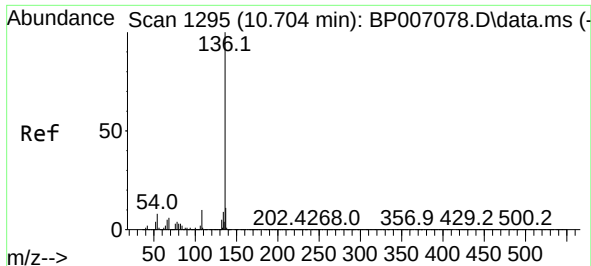
Tgt Ion: 99 Resp: 2027897
Ion Ratio Lower Upper
99 100
42 13.4 13.4 20.0
71 30.3 30.6 46.0#



#11
bis(2-Chloroethyl)ether
Concen: 7.271 ng
RT: 7.328 min Scan# 721
Delta R.T. 0.006 min
Lab File: BP007169.D
Acq: 24 Sep 2021 21:05

Tgt Ion: 93 Resp: 127687
Ion Ratio Lower Upper
93 100
63 1.8 46.2 86.2#
95 2.2 12.2 52.2#

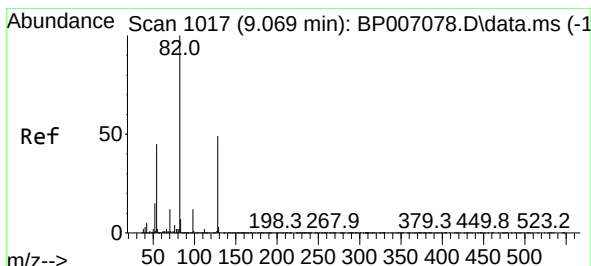
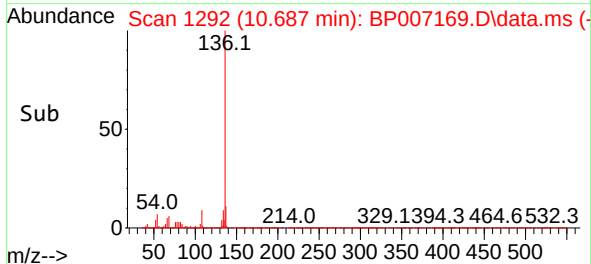
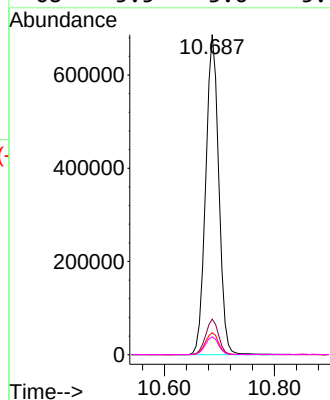
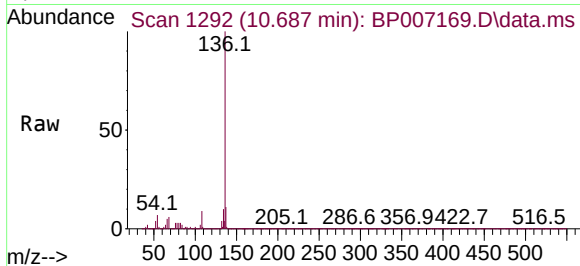




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.687 min Scan# 1292
Delta R.T. -0.006 min
Lab File: BP007169.D
Acq: 24 Sep 2021 21:05

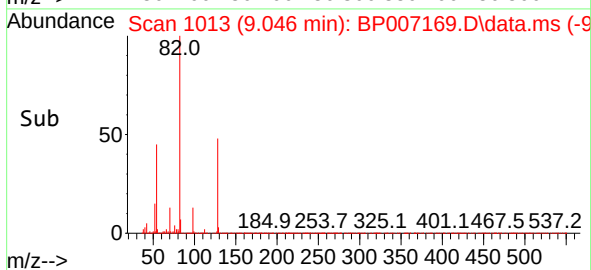
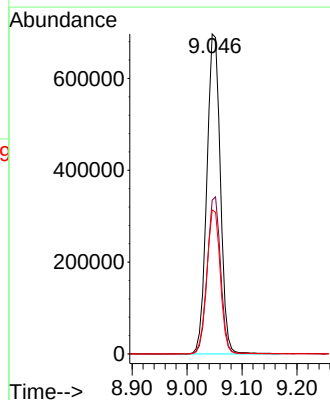
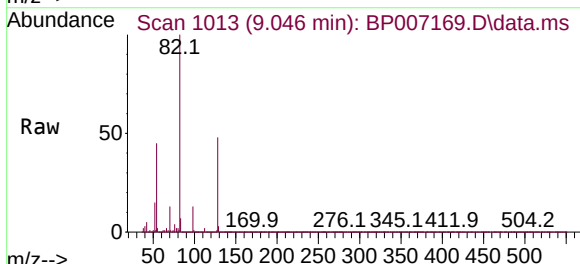
Instrument :
BNA_P
ClientSampleId :

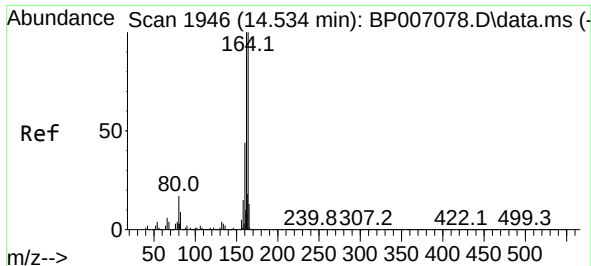
Tgt Ion:	136	Resp:	1130409
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.6	12.8
54	6.9	4.6	6.8#
68	5.5	3.6	5.4#



#23
Nitrobenzene-d5
Concen: 61.277 ng
RT: 9.046 min Scan# 1013
Delta R.T. -0.012 min
Lab File: BP007169.D
Acq: 24 Sep 2021 21:05

Tgt Ion:	82	Resp:	1189430
Ion	Ratio	Lower	Upper
82	100		
128	48.1	35.7	53.5
54	45.0	35.0	52.4

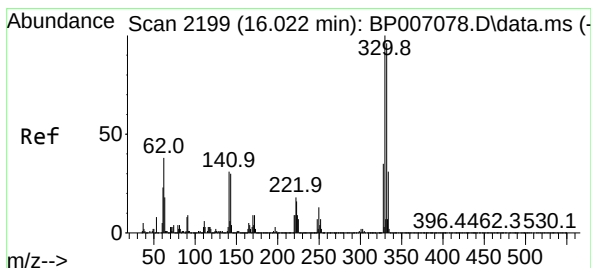
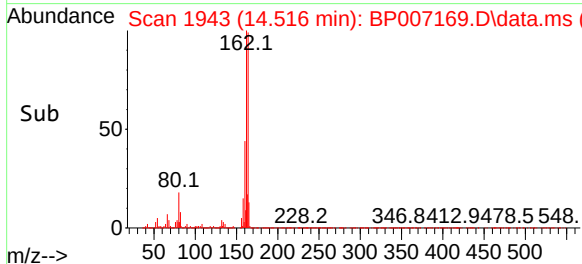
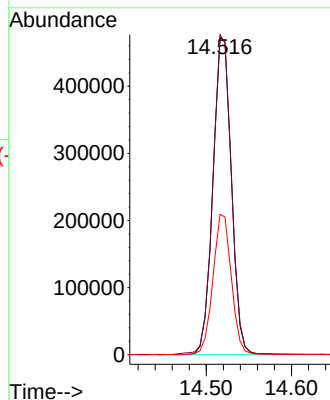
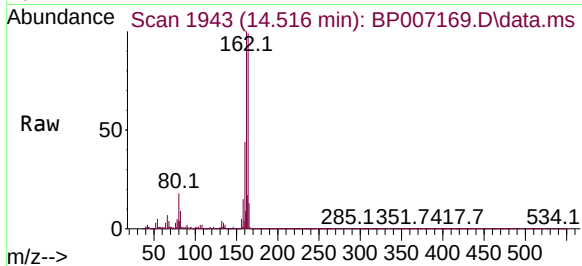




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.516 min Scan# 1943
Delta R.T. -0.012 min
Lab File: BP007169.D
Acq: 24 Sep 2021 21:05

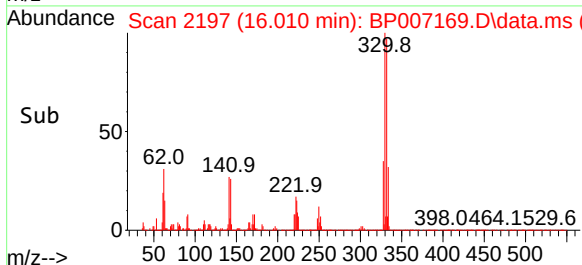
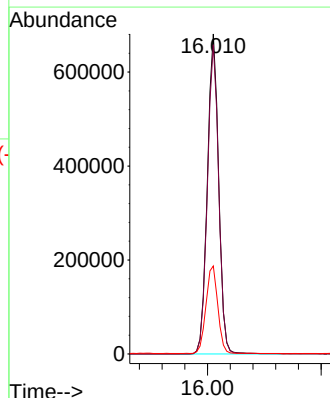
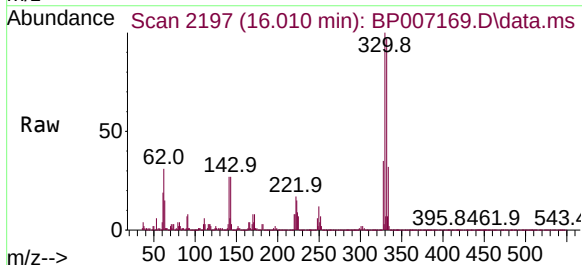
Instrument :
BNA_P
ClientSampleId :

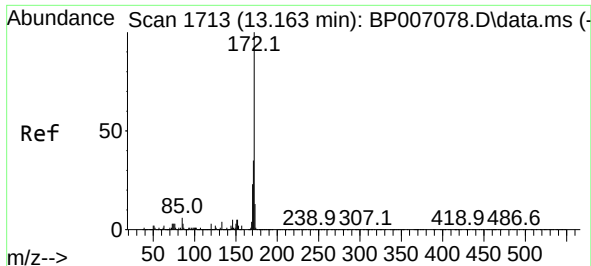
Tgt Ion:164 Resp: 711872
Ion Ratio Lower Upper
164 100
162 100.9 80.2 120.2
160 44.3 34.5 51.7



#42
2,4,6-Tribromophenol
Concen: 101.298 ng
RT: 16.010 min Scan# 2197
Delta R.T. -0.006 min
Lab File: BP007169.D
Acq: 24 Sep 2021 21:05

Tgt Ion:330 Resp: 934885
Ion Ratio Lower Upper
330 100
332 96.7 77.8 116.8
141 28.7 25.4 38.2

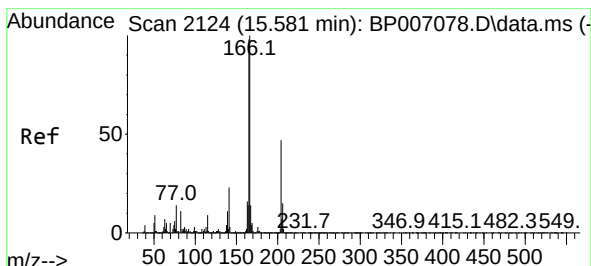
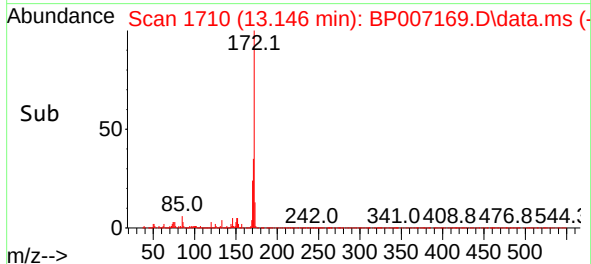
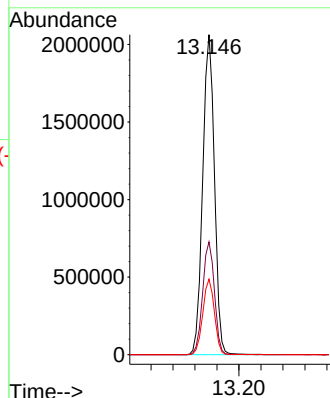
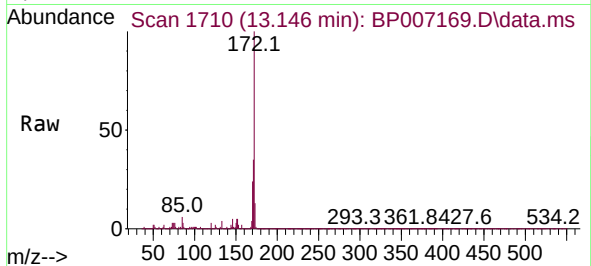




#45
2-Fluorobiphenyl
Concen: 61.656 ng
RT: 13.146 min Scan# 1710
Delta R.T. -0.006 min
Lab File: BP007169.D
Acq: 24 Sep 2021 21:05

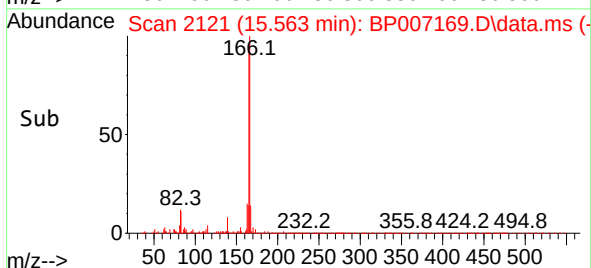
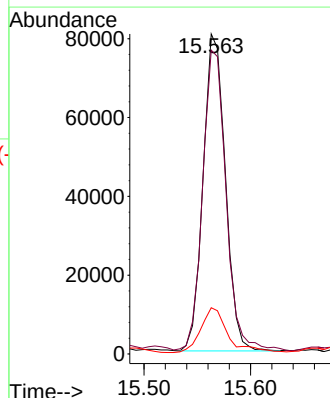
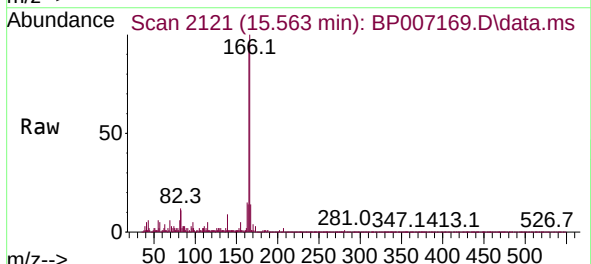
Instrument :
BNA_P
ClientSampleId :

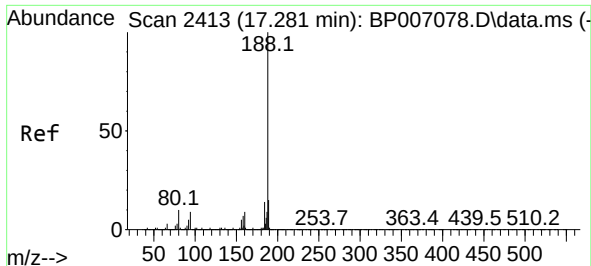
Tgt Ion:172 Resp: 3063702
Ion Ratio Lower Upper
172 100
171 35.3 27.9 41.9
170 23.6 18.6 27.8



#58
Fluorene
Concen: 2.379 ng
RT: 15.563 min Scan# 2121
Delta R.T. -0.012 min
Lab File: BP007169.D
Acq: 24 Sep 2021 21:05

Tgt Ion:166 Resp: 117353
Ion Ratio Lower Upper
166 100
165 94.9 78.0 117.0
167 14.4 10.5 15.7

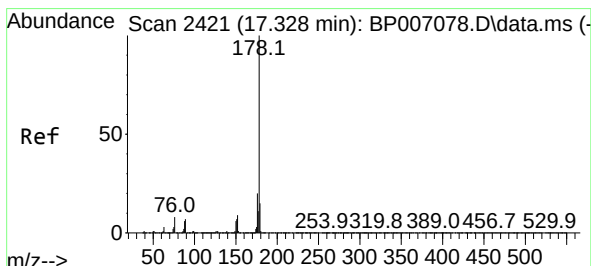
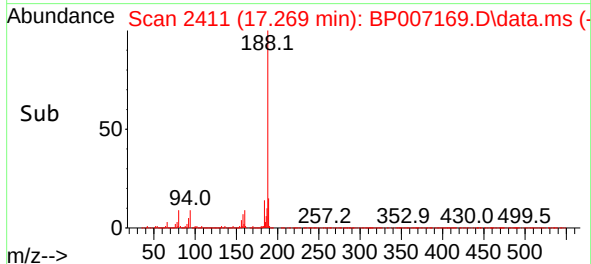
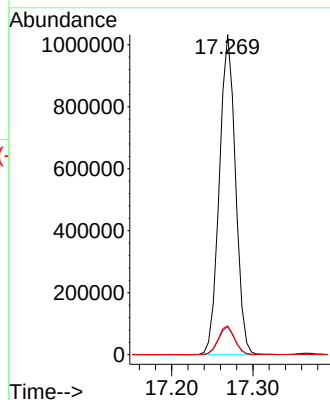
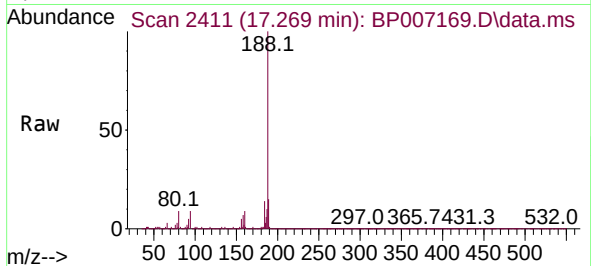




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.269 min Scan# 2411
Delta R.T. -0.006 min
Lab File: BP007169.D
Acq: 24 Sep 2021 21:05

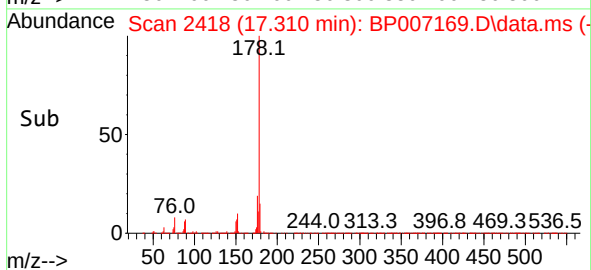
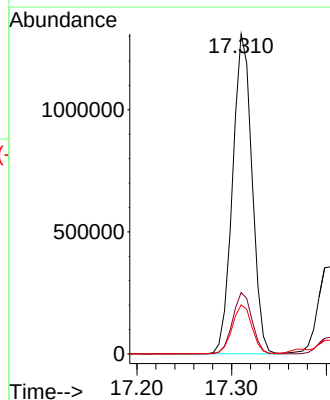
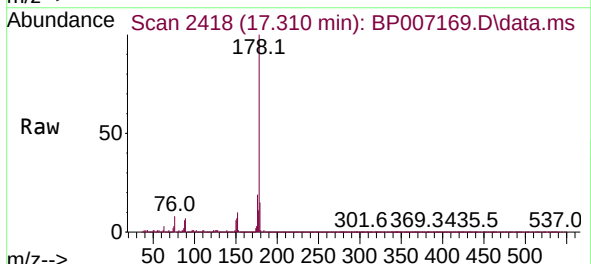
Instrument :
BNA_P
ClientSampleId :

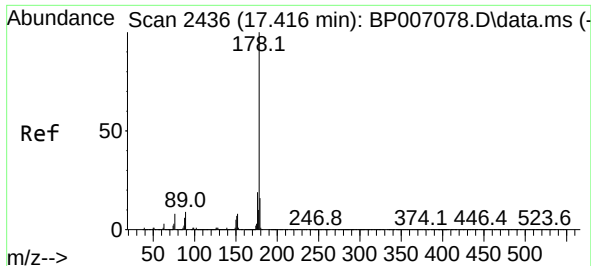
Tgt Ion:188 Resp: 1429939
Ion Ratio Lower Upper
188 100
94 8.8 5.6 8.4#
80 9.0 6.3 9.5



#71
Phenanthrene
Concen: 24.265 ng
RT: 17.310 min Scan# 2418
Delta R.T. -0.006 min
Lab File: BP007169.D
Acq: 24 Sep 2021 21:05

Tgt Ion:178 Resp: 1860424
Ion Ratio Lower Upper
178 100
176 19.2 15.1 22.7
179 15.4 12.4 18.6

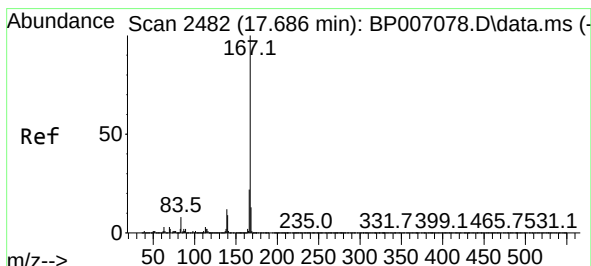
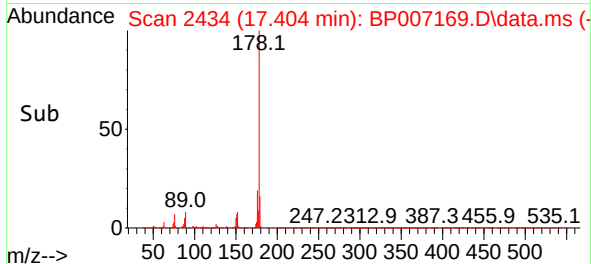
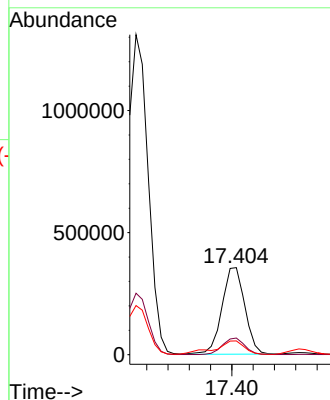
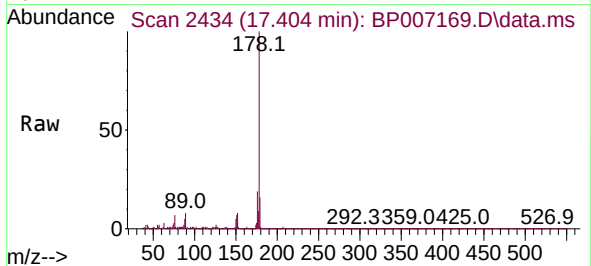




#72
 Anthracene
 Concen: 7.045 ng
 RT: 17.404 min Scan# 2434
 Delta R.T. -0.006 min
 Lab File: BP007169.D
 Acq: 24 Sep 2021 21:05

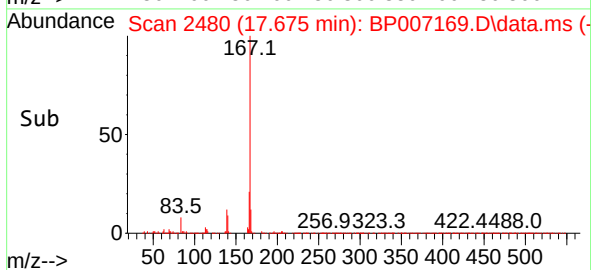
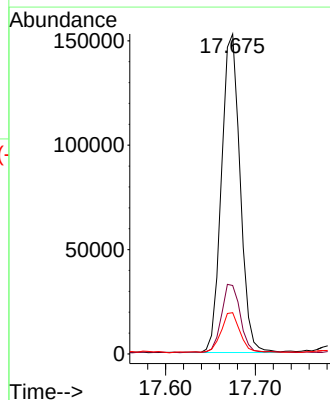
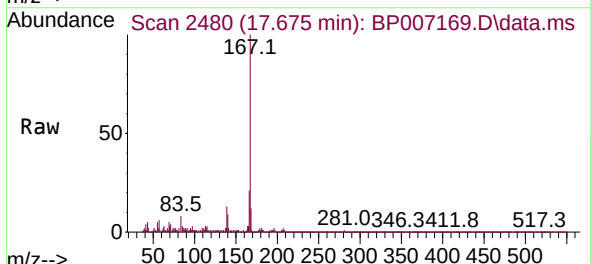
Instrument :
 BNA_P
 ClientSampleId :

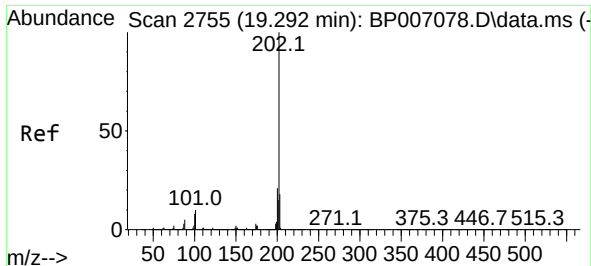
Tgt Ion:178 Resp: 528411
 Ion Ratio Lower Upper
 178 100
 176 19.2 14.9 22.3
 179 15.8 12.2 18.2



#73
 Carbazole
 Concen: 2.988 ng
 RT: 17.675 min Scan# 2480
 Delta R.T. -0.006 min
 Lab File: BP007169.D
 Acq: 24 Sep 2021 21:05

Tgt Ion:167 Resp: 219596
 Ion Ratio Lower Upper
 167 100
 166 21.4 17.1 25.7
 139 12.9 10.7 16.1

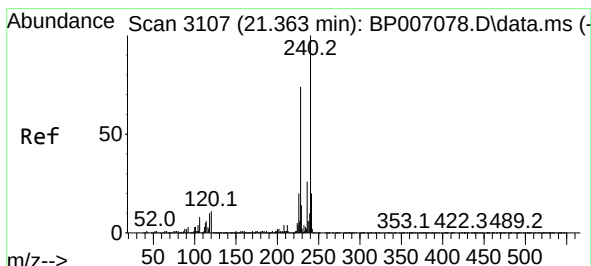
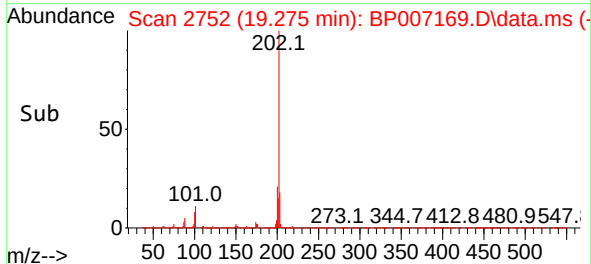
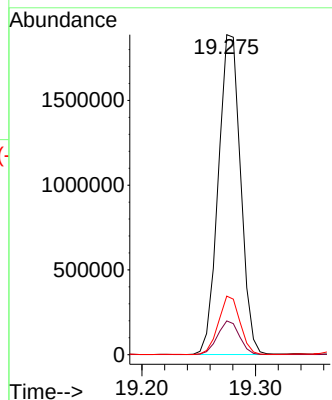
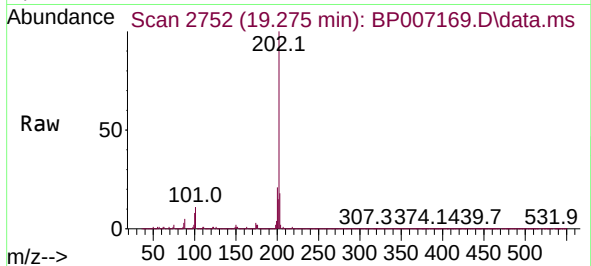




#75
Fluoranthene
Concen: 29.133 ng
RT: 19.275 min Scan# 2752
Delta R.T. -0.006 min
Lab File: BP007169.D
Acq: 24 Sep 2021 21:05

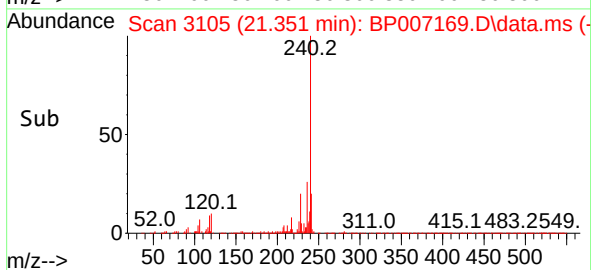
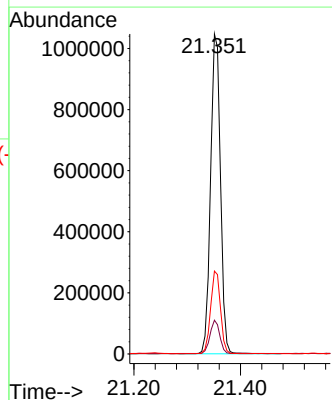
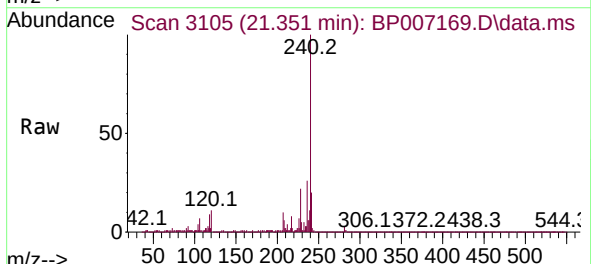
Instrument :
BNA_P
ClientSampleId :

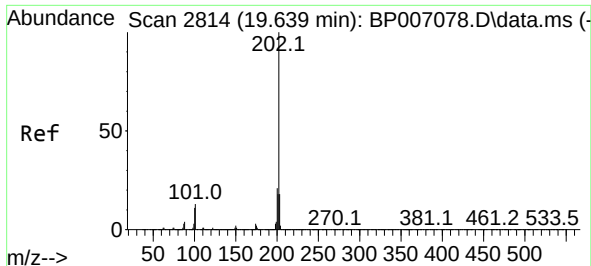
Tgt Ion:202 Resp: 2573519
Ion Ratio Lower Upper
202 100
101 10.6 0.0 27.6
203 18.3 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.351 min Scan# 3105
Delta R.T. -0.006 min
Lab File: BP007169.D
Acq: 24 Sep 2021 21:05

Tgt Ion:240 Resp: 1349936
Ion Ratio Lower Upper
240 100
120 10.5 6.5 9.7#
236 25.9 20.6 31.0

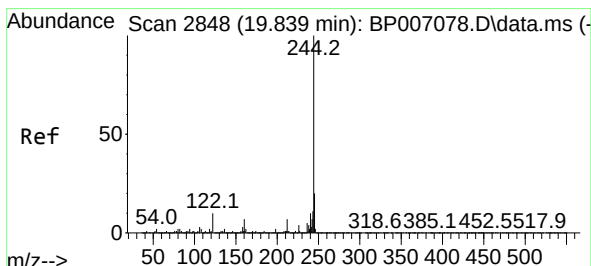
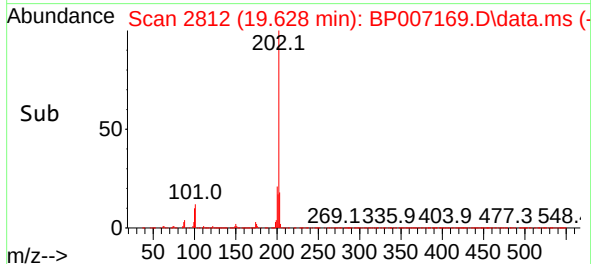
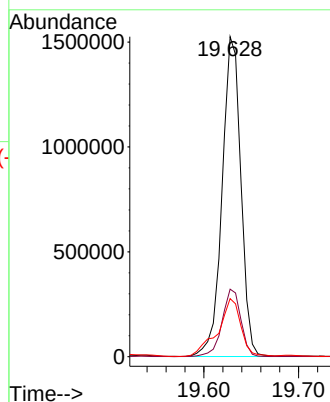
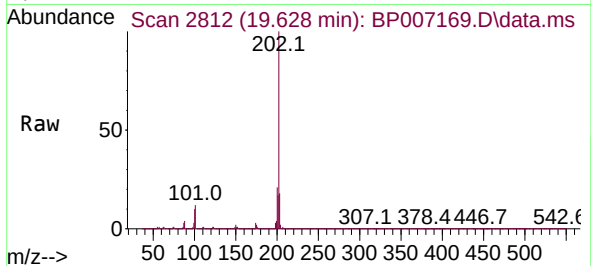




#78
 Pyrene
 Concen: 23.709 ng
 RT: 19.628 min Scan# 2812
 Delta R.T. -0.006 min
 Lab File: BP007169.D
 Acq: 24 Sep 2021 21:05

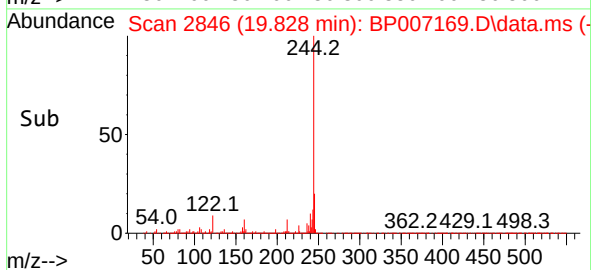
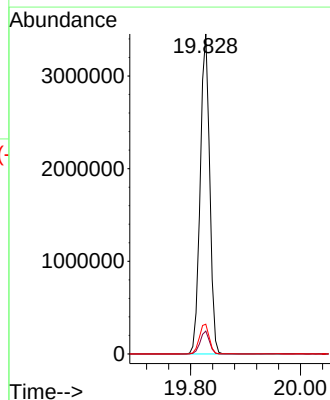
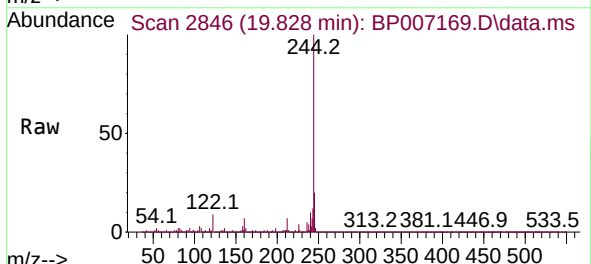
Instrument :
 BNA_P
 ClientSampleId :

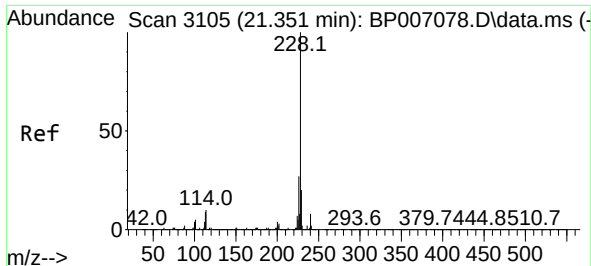
Tgt Ion:202 Resp: 2099846
 Ion Ratio Lower Upper
 202 100
 200 21.1 16.3 24.5
 203 18.2 14.2 21.2



#79
 Terphenyl-d14
 Concen: 58.773 ng
 RT: 19.828 min Scan# 2846
 Delta R.T. -0.006 min
 Lab File: BP007169.D
 Acq: 24 Sep 2021 21:05

Tgt Ion:244 Resp: 4140335
 Ion Ratio Lower Upper
 244 100
 212 7.2 6.0 9.0
 122 9.3 7.1 10.7

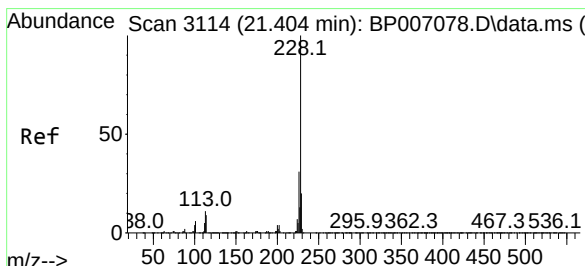
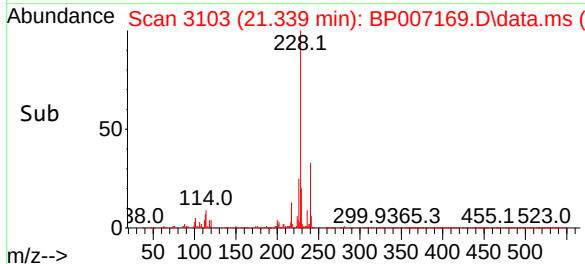
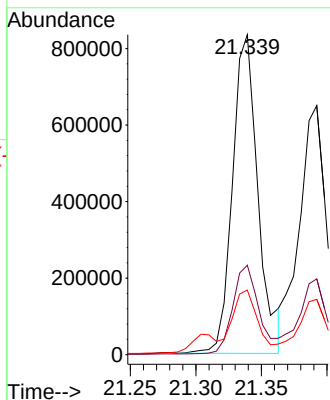
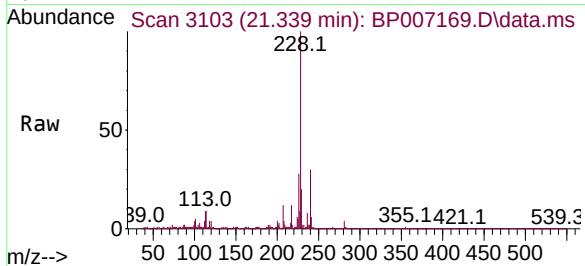




#81
Benzo(a)anthracene
Concen: 12.861 ng
RT: 21.339 min Scan# 3103
Delta R.T. -0.006 min
Lab File: BP007169.D
Acq: 24 Sep 2021 21:05

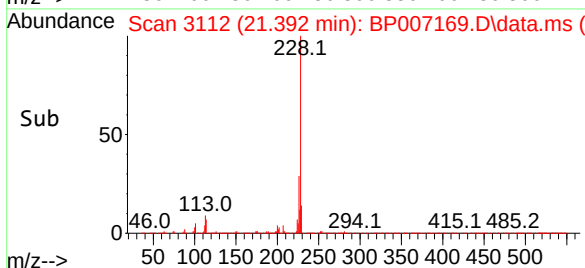
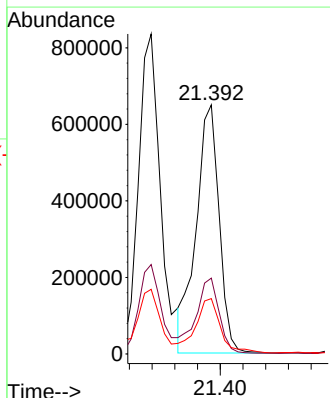
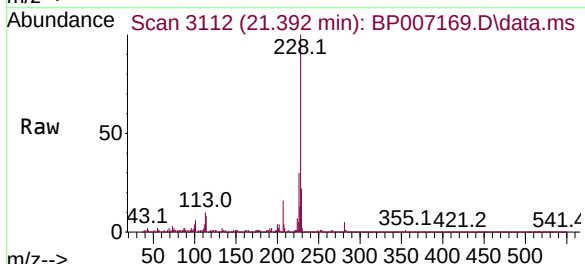
Instrument :
BNA_P
ClientSampleId :

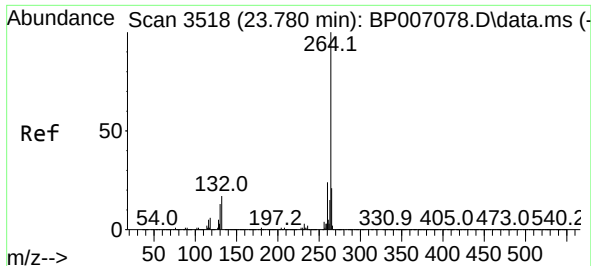
Tgt Ion:228 Resp: 1126895
Ion Ratio Lower Upper
228 100
226 28.0 21.6 32.4
229 20.2 15.8 23.6



#83
Chrysene
Concen: 10.930 ng
RT: 21.392 min Scan# 3112
Delta R.T. -0.006 min
Lab File: BP007169.D
Acq: 24 Sep 2021 21:05

Tgt Ion:228 Resp: 915306
Ion Ratio Lower Upper
228 100
226 30.4 23.8 35.6
229 22.2 15.4 23.2

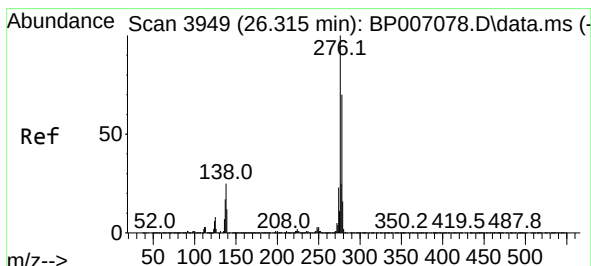
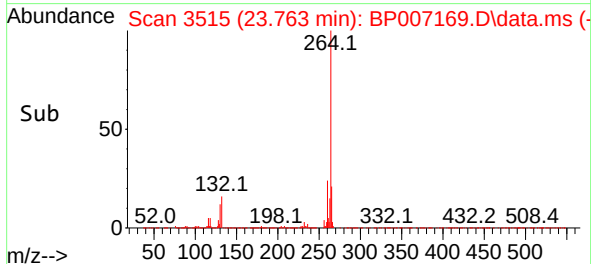
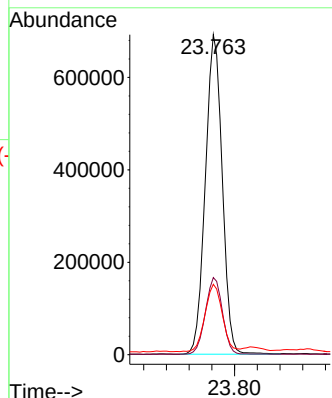
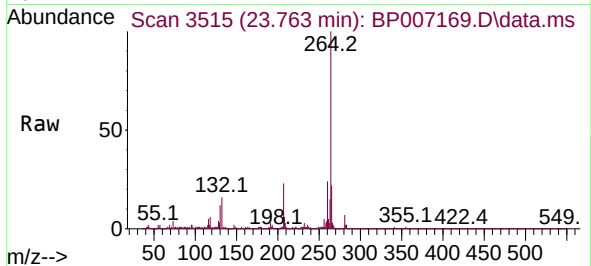




#86
Perylene-d12
Concen: 20.000 ng
RT: 23.763 min Scan# 3515
Delta R.T. -0.006 min
Lab File: BP007169.D
Acq: 24 Sep 2021 21:05

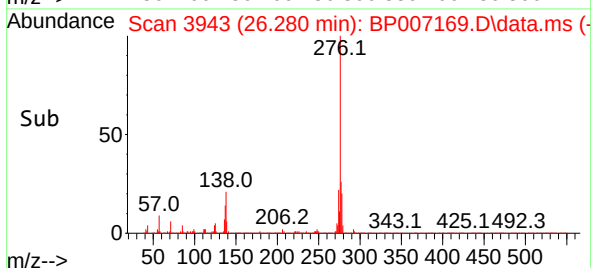
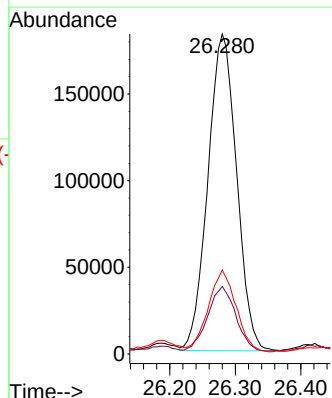
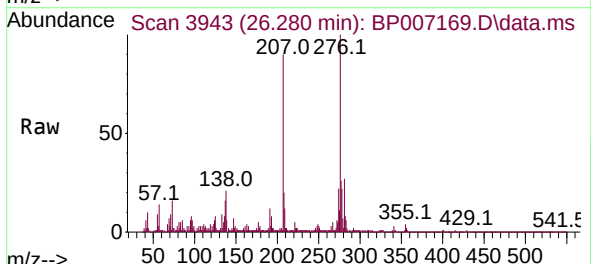
Instrument :
BNA_P
ClientSampleId :

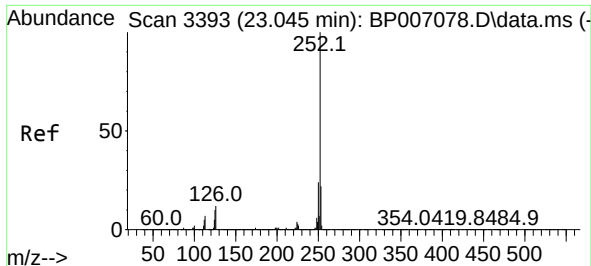
Tgt Ion:264 Resp: 1422959
Ion Ratio Lower Upper
264 100
260 24.1 18.6 28.0
265 22.0 17.6 26.4



#87
Indeno(1,2,3-cd)pyrene
Concen: 5.433 ng
RT: 26.280 min Scan# 3943
Delta R.T. -0.024 min
Lab File: BP007169.D
Acq: 24 Sep 2021 21:05

Tgt Ion:276 Resp: 555552
Ion Ratio Lower Upper
276 100
138 19.9 15.3 22.9
277 25.1 20.4 30.6

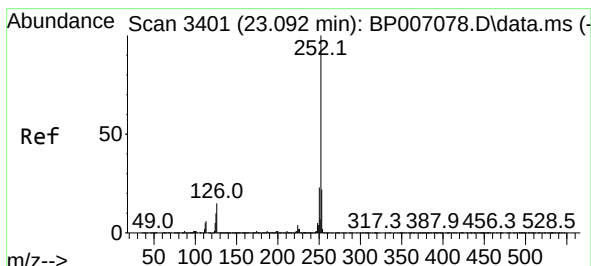
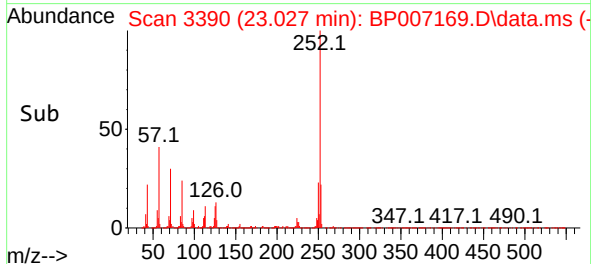
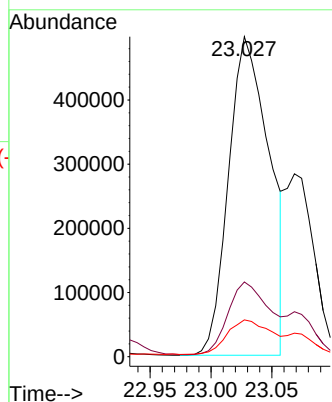
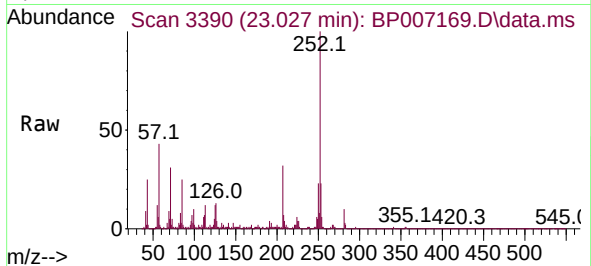




#88
Benzo(b)fluoranthene
Concen: 13.622 ng
RT: 23.027 min Scan# 3390
Delta R.T. -0.006 min
Lab File: BP007169.D
Acq: 24 Sep 2021 21:05

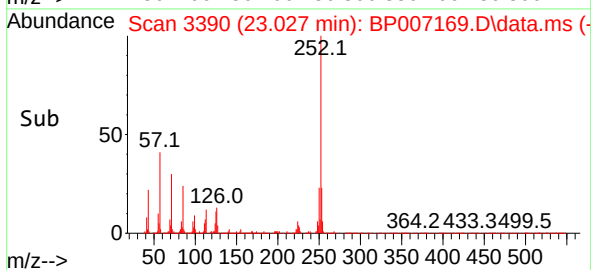
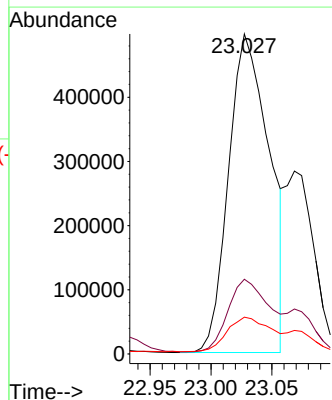
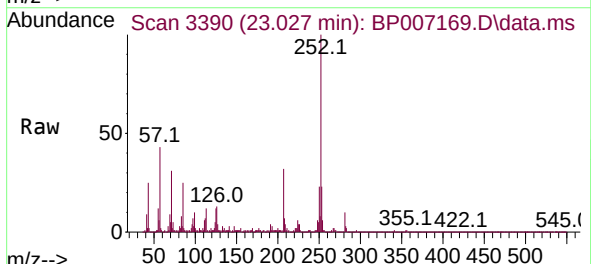
Instrument :
BNA_P
ClientSampled :

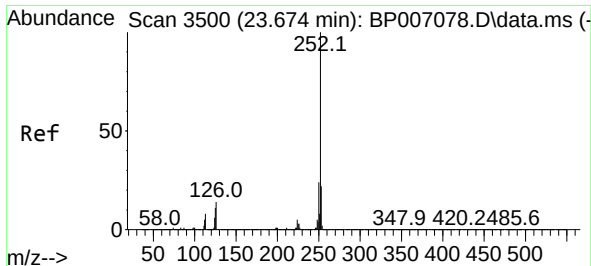
Tgt Ion:252 Resp: 1158357
Ion Ratio Lower Upper
252 100
253 23.4 17.5 26.3
125 11.5 6.2 9.4#



#89
Benzo(k)fluoranthene
Concen: 13.454 ng
RT: 23.027 min Scan# 3390
Delta R.T. -0.059 min
Lab File: BP007169.D
Acq: 24 Sep 2021 21:05

Tgt Ion:252 Resp: 1158357
Ion Ratio Lower Upper
252 100
253 23.4 17.6 26.4
125 11.5 6.0 9.0#

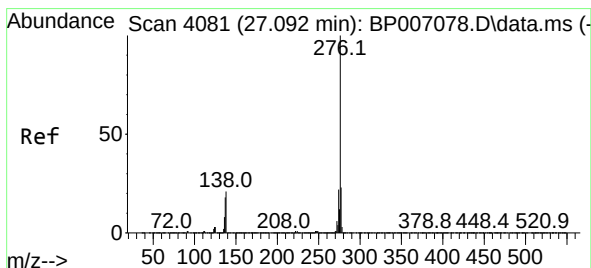
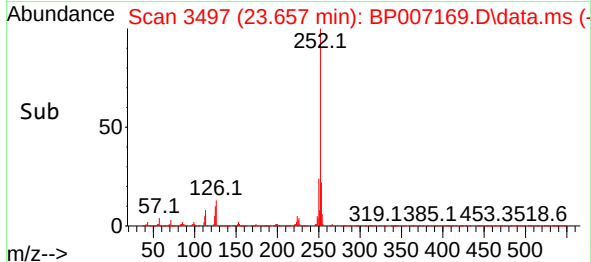
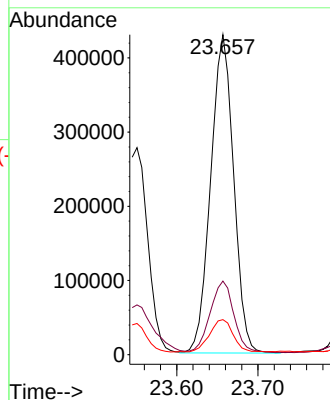
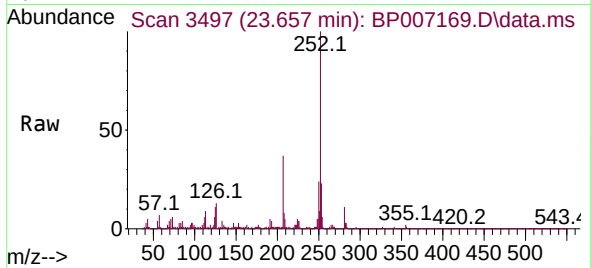




#90
Benzo(a)pyrene
Concen: 11.674 ng
RT: 23.657 min Scan# 3497
Delta R.T. -0.012 min
Lab File: BP007169.D
Acq: 24 Sep 2021 21:05

Instrument :
BNA_P
ClientSampled :

Tgt Ion:252 Resp: 843450
Ion Ratio Lower Upper
252 100
253 23.0 17.9 26.9
125 11.0 6.5 9.7#



#92
Benzo(g,h,i)perylene
Concen: 6.196 ng
RT: 27.057 min Scan# 4075
Delta R.T. -0.018 min
Lab File: BP007169.D
Acq: 24 Sep 2021 21:05

Tgt Ion:276 Resp: 518142
Ion Ratio Lower Upper
276 100
277 25.2 18.9 28.3
138 21.7 12.6 18.8#

