

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP040422\
 Data File : BP009689.D
 Acq On : 04 Apr 2022 20:56
 Operator : CG/JU
 Sample : N2239-01 10X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 TP-4

Quant Time: Apr 04 23:27:39 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 31 04:36:51 2022
 Response via : Initial Calibration

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

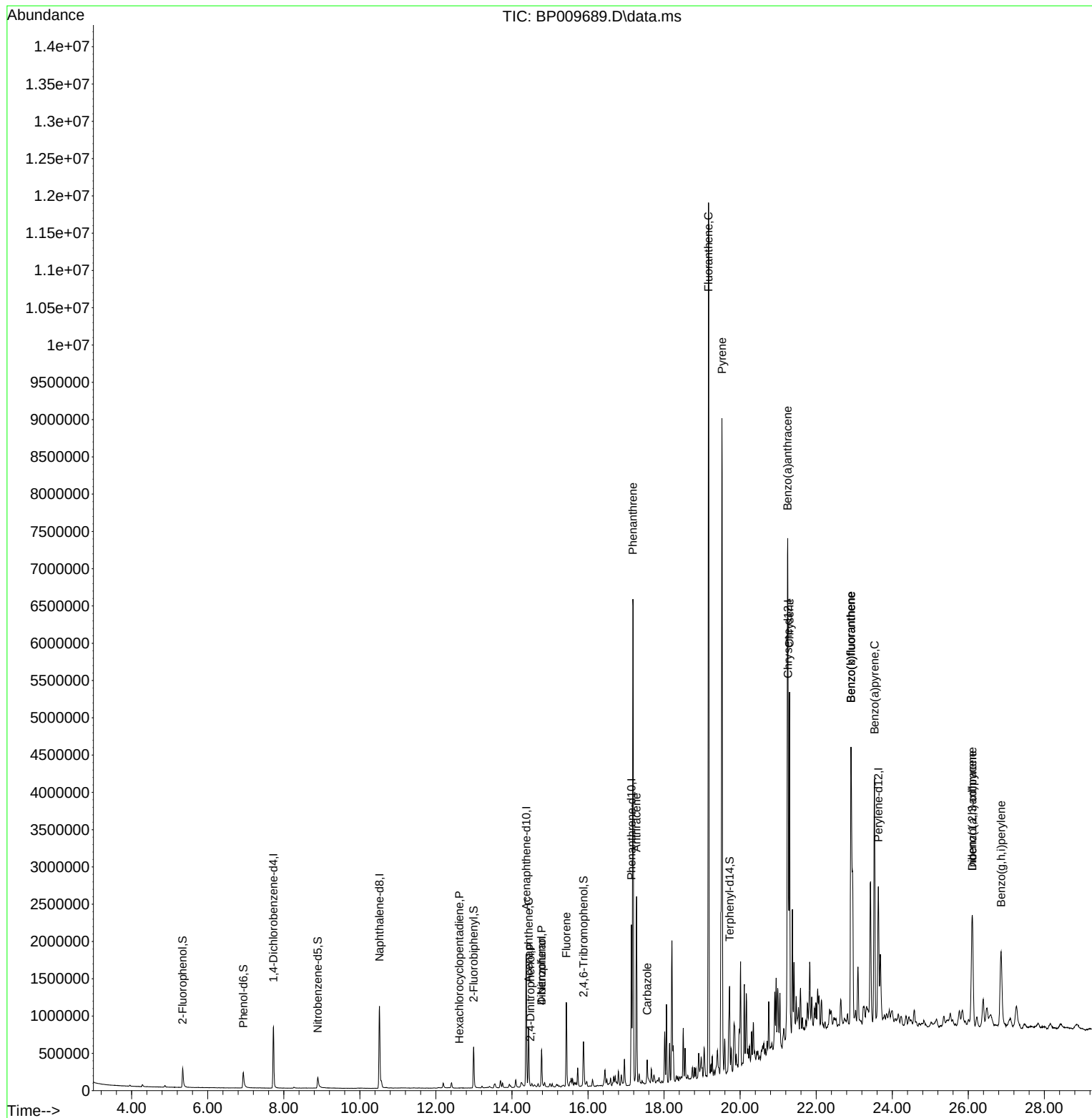
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.728	152	268895	20.000	ng	-0.01
21) Naphthalene-d8	10.516	136	1087488	20.000	ng	-0.02
39) Acenaphthene-d10	14.375	164	679739	20.000	ng	-0.02
64) Phenanthrene-d10	17.140	188	1367321	20.000	ng	-0.02
76) Chrysene-d12	21.263	240	1340458	20.000	ng	-0.01
86) Perylene-d12	23.633	264	1432535	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.340	112	166854	10.834	ng	0.00
7) Phenol-d6	6.934	99	210975	10.129	ng	0.00
23) Nitrobenzene-d5	8.893	82	134991	6.596	ng	0.00
42) 2,4,6-Tribromophenol	15.881	330	77366	6.897	ng	-0.01
45) 2-Fluorobiphenyl	12.993	172	344325	7.022	ng	-0.02
79) Terphenyl-d14	19.722	244	528321	7.074	ng	-0.02
Target Compounds						Qvalue
9) Benzaldehyde	6.858	77	94	Below Cal	#	60
41) Hexachlorocyclopentadiene	12.616	237	22	7.290	ng	82
52) Acenaphthene	14.440	154	314885	8.553	ng	99
54) 2,4-Dinitrophenol	14.487	184	77	4.543	ng	# 1
55) Dibenzofuran	14.781	168	361593	5.846	ng	98
56) 4-Nitrophenol	14.781	139	131156	15.436	ng	# 9
58) Fluorene	15.428	166	564467	11.604	ng	98
71) Phenanthrene	17.181	178	4249912	58.064	ng	100
72) Anthracene	17.275	178	1694176	23.444	ng	99
73) Carbazole	17.557	167	223119	3.157	ng	100
75) Fluoranthene	19.169	202	7270005	82.044	ng	99
78) Pyrene	19.522	202	5733279	64.907	ng	99
81) Benzo(a)anthracene	21.245	228	3368971	38.255	ng	99
83) Chrysene	21.298	228	2587666	31.030	ng	97
87) Indeno(1,2,3-cd)pyrene	26.104	276	1583428	14.569	ng	# 93
88) Benzo(b)fluoranthene	22.916	252	4775722	55.844	ng	99
89) Benzo(k)fluoranthene	22.916	252	4775953	57.039	ng	98
90) Benzo(a)pyrene	23.533	252	2611620	35.694	ng	98
91) Dibenzo(a,h)anthracene	26.104	278	450484	4.973	ng	92
92) Benzo(g,h,i)perylene	26.863	276	1423714	15.977	ng	97

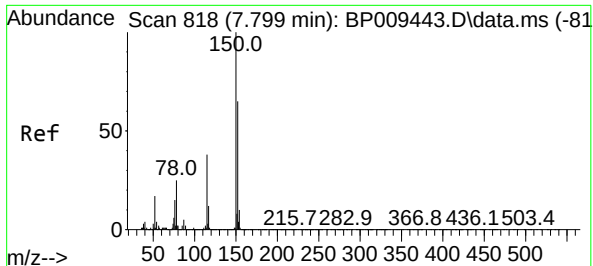
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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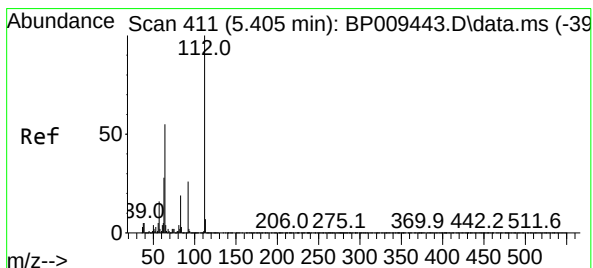
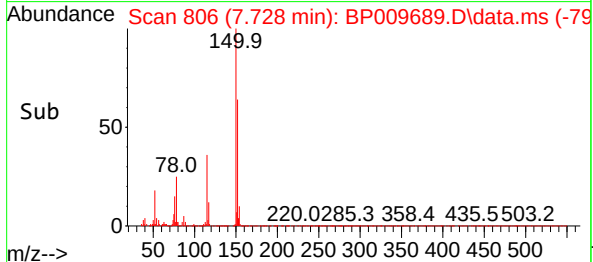
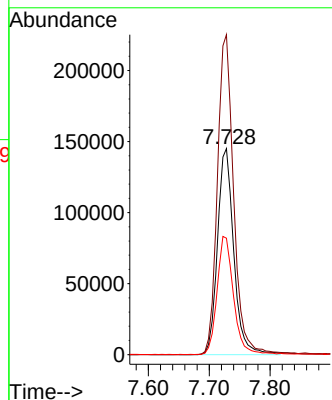
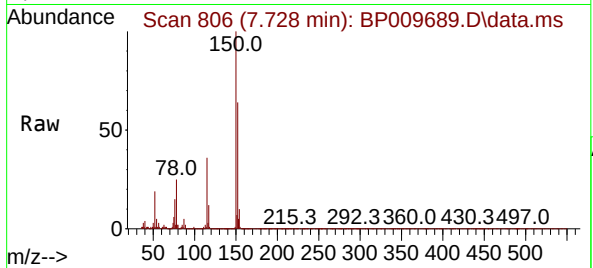




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.728 min Scan# 80
Delta R.T. -0.012 min
Lab File: BP009689.D
Acq: 04 Apr 2022 20:56

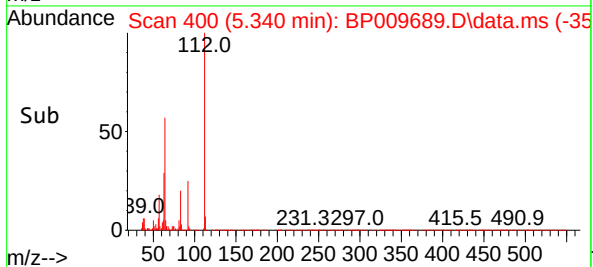
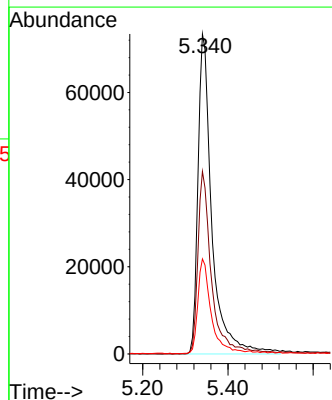
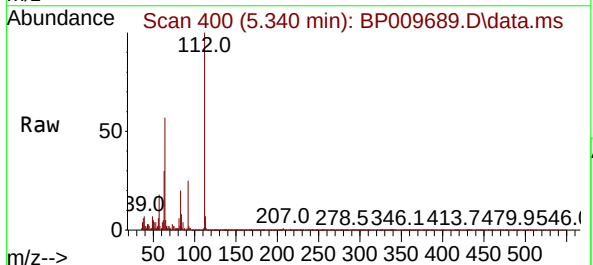
Instrument :
BNA_P
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TP-4

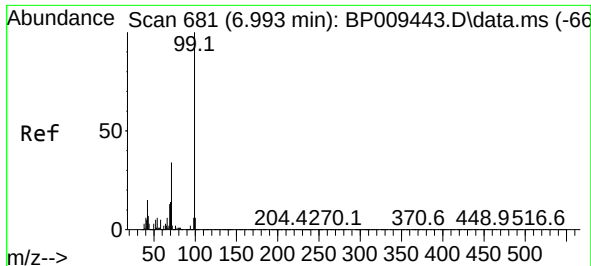
Tgt Ion:152 Resp: 268895
Ion Ratio Lower Upper
152 100
150 155.2 124.5 186.7
115 56.5 48.2 72.4



#5
2-Fluorophenol
Concen: 10.834 ng
RT: 5.340 min Scan# 400
Delta R.T. -0.006 min
Lab File: BP009689.D
Acq: 04 Apr 2022 20:56

Tgt Ion:112 Resp: 166854
Ion Ratio Lower Upper
112 100
64 57.1 45.0 67.4
63 29.7 23.0 34.6

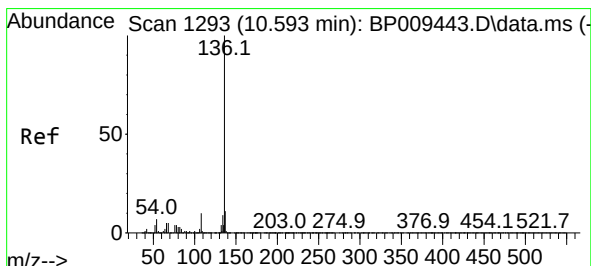
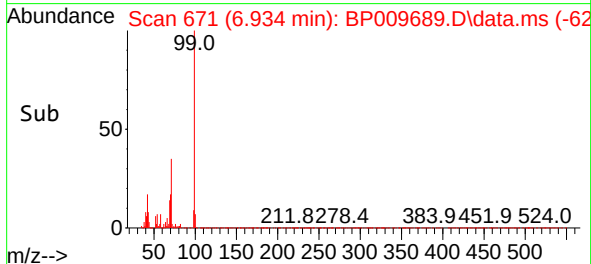
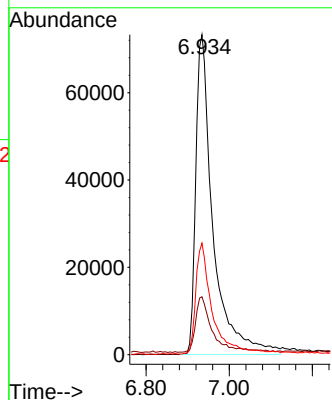
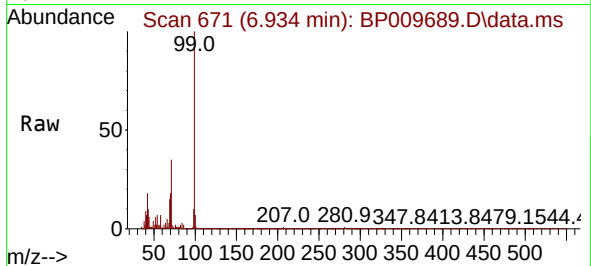




#7
Phenol-d6
Concen: 10.129 ng
RT: 6.934 min Scan# 61
Delta R.T. 0.000 min
Lab File: BP009689.D
Acq: 04 Apr 2022 20:56

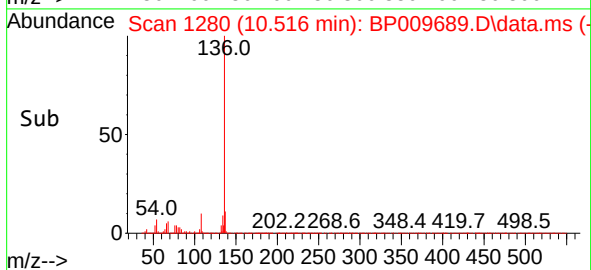
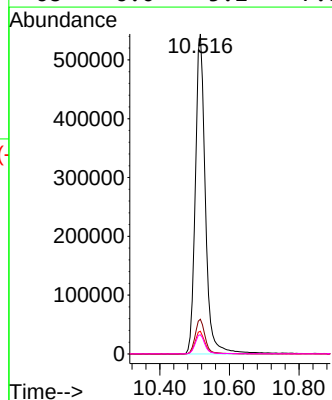
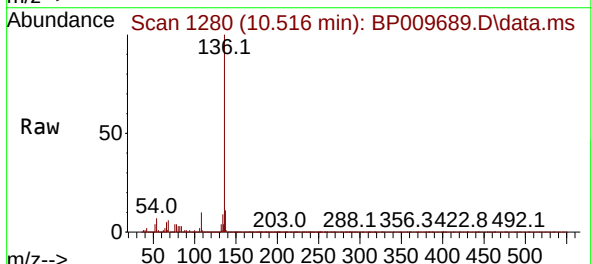
Instrument :
BNA_P
ClientSampleId :
TP-4

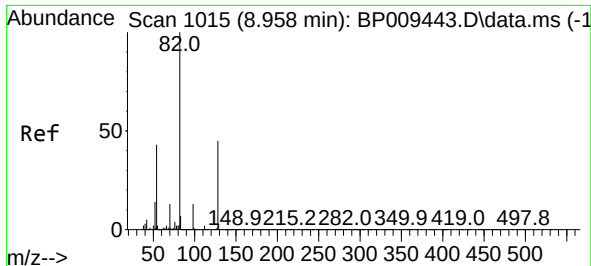
Tgt Ion: 99 Resp: 210975
Ion Ratio Lower Upper
99 100
42 18.1 12.8 19.2
71 34.9 26.3 39.5



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.516 min Scan# 1280
Delta R.T. -0.017 min
Lab File: BP009689.D
Acq: 04 Apr 2022 20:56

Tgt Ion: 136 Resp: 1087488
Ion Ratio Lower Upper
136 100
137 10.9 8.6 12.8
54 7.1 5.8 8.8
68 6.0 5.2 7.8

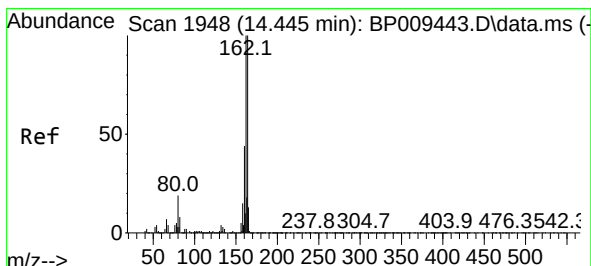
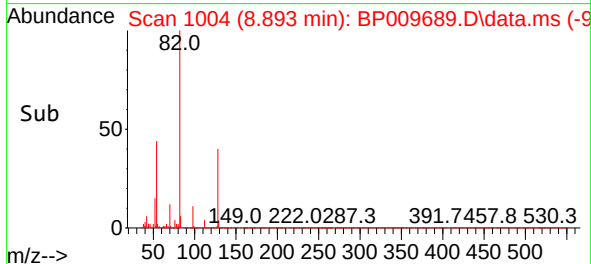
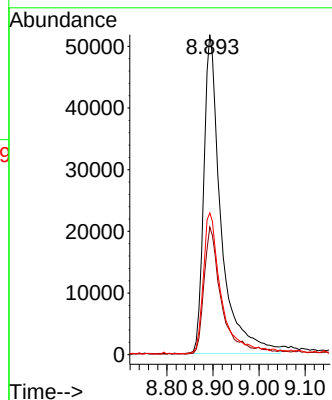
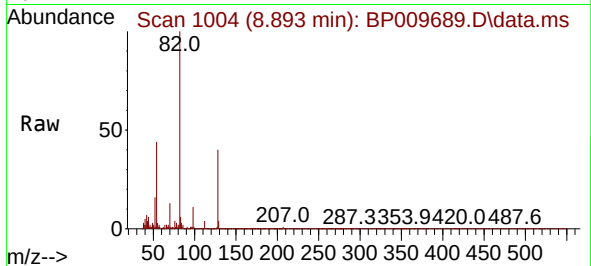




#23
Nitrobenzene-d5
Concen: 6.596 ng
RT: 8.893 min Scan# 1004
Delta R.T. -0.006 min
Lab File: BP009689.D
Acq: 04 Apr 2022 20:56

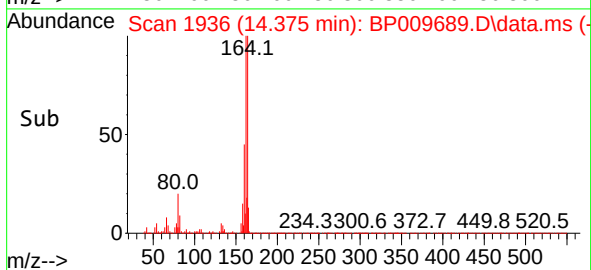
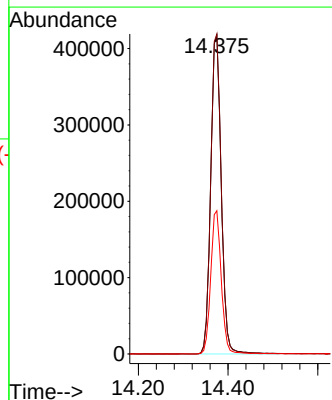
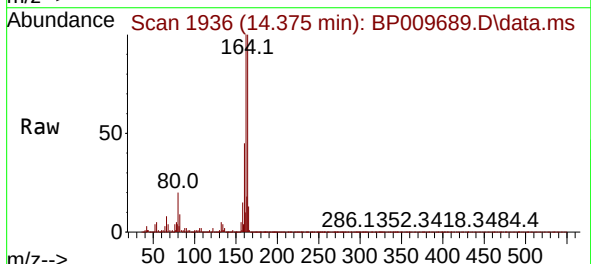
Instrument :
BNA_P
ClientSampleId :
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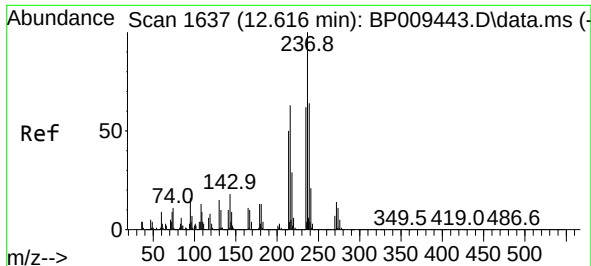
Tgt Ion: 82 Resp: 134991
Ion Ratio Lower Upper
82 100
128 39.9 34.2 51.4
54 44.3 34.7 52.1



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.375 min Scan# 1936
Delta R.T. -0.017 min
Lab File: BP009689.D
Acq: 04 Apr 2022 20:56

Tgt Ion: 164 Resp: 679739
Ion Ratio Lower Upper
164 100
162 100.4 79.1 118.7
160 45.0 34.9 52.3

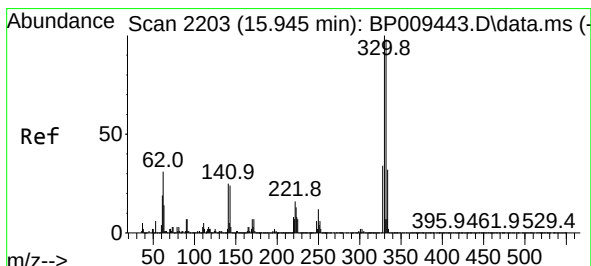
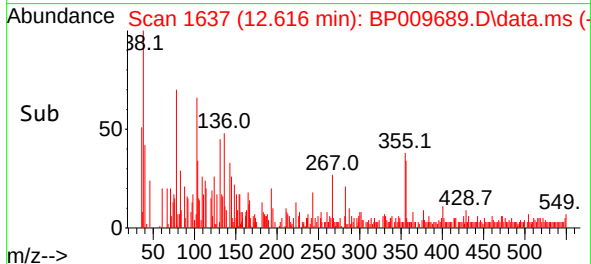
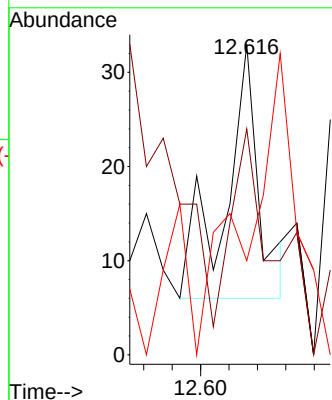
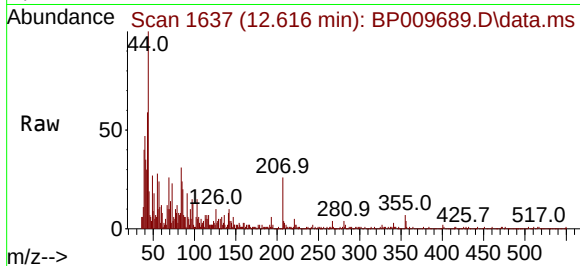




#41
Hexachlorocyclopentadiene
Concen: 7.290 ng
RT: 12.616 min Scan# 1
Delta R.T. 0.059 min
Lab File: BP009689.D
Acq: 04 Apr 2022 20:56

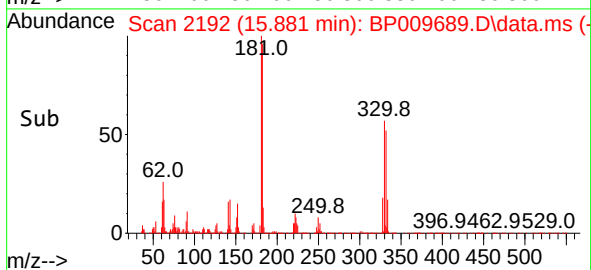
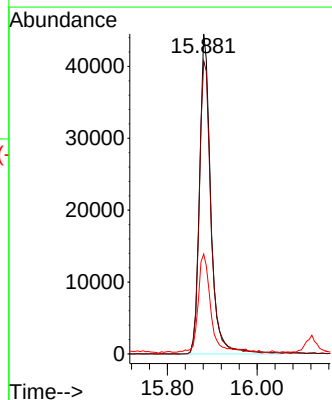
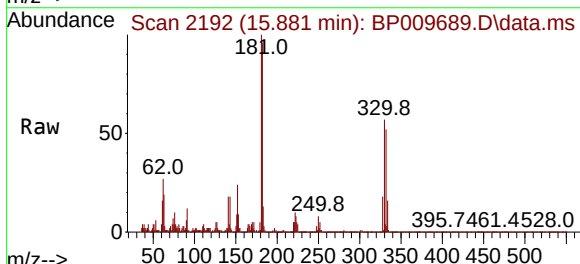
Instrument :
BNA_P
ClientSampleId :
TP-4

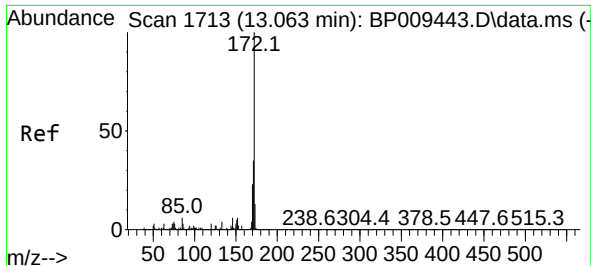
Tgt Ion:	237	Resp:	22
Ion Ratio	Lower	Upper	
237	100		
235	72.7	42.6	82.6
272	30.3	0.0	32.8



#42
2,4,6-Tribromophenol
Concen: 6.897 ng
RT: 15.881 min Scan# 2192
Delta R.T. -0.012 min
Lab File: BP009689.D
Acq: 04 Apr 2022 20:56

Tgt Ion:	330	Resp:	77366
Ion Ratio	Lower	Upper	
330	100		
332	95.4	77.0	115.6
141	33.6	27.6	41.4

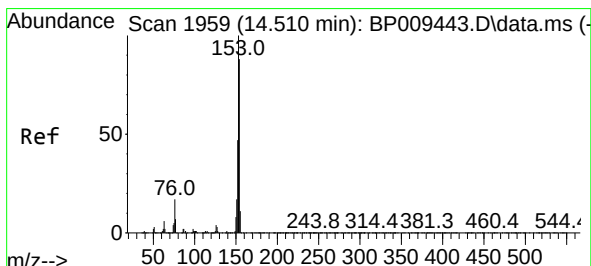
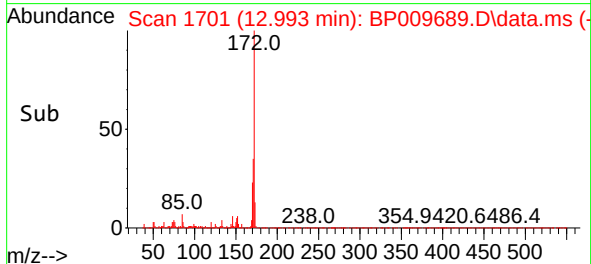
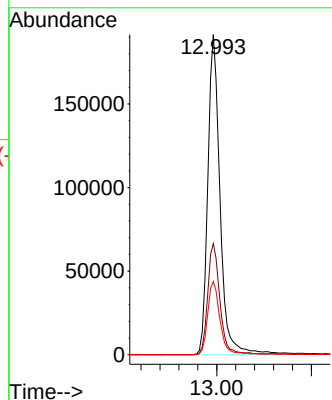
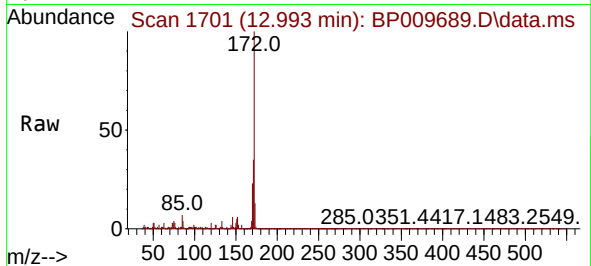




#45
2-Fluorobiphenyl
Concen: 7.022 ng
RT: 12.993 min Scan# 11
Delta R.T. -0.017 min
Lab File: BP009689.D
Acq: 04 Apr 2022 20:56

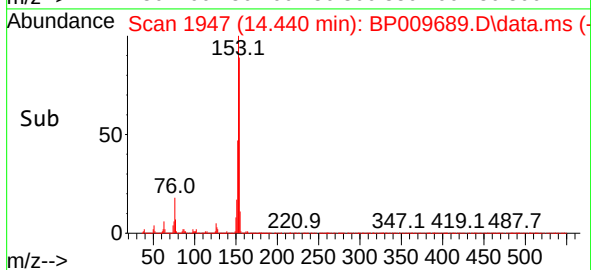
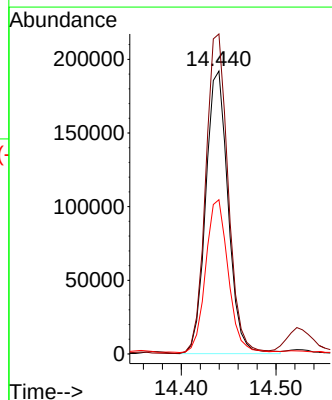
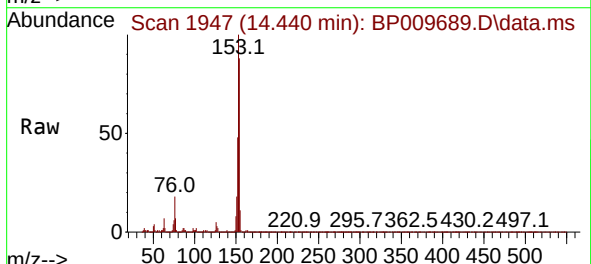
Instrument :
BNA_P
ClientSampleId :
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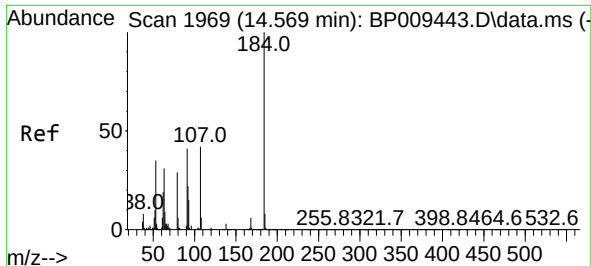
Tgt Ion:172 Resp: 344325
Ion Ratio Lower Upper
172 100
171 34.7 28.0 42.0
170 22.9 18.6 27.8



#52
Acenaphthene
Concen: 8.553 ng
RT: 14.440 min Scan# 1947
Delta R.T. -0.017 min
Lab File: BP009689.D
Acq: 04 Apr 2022 20:56

Tgt Ion:154 Resp: 314885
Ion Ratio Lower Upper
154 100
153 113.1 90.2 135.4
152 54.5 42.7 64.1

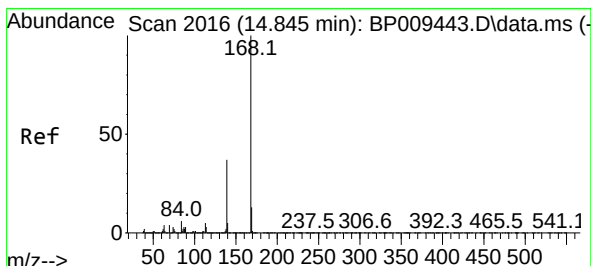
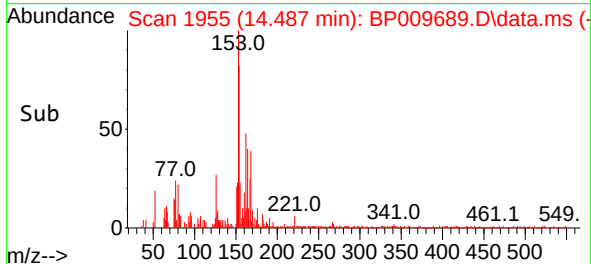
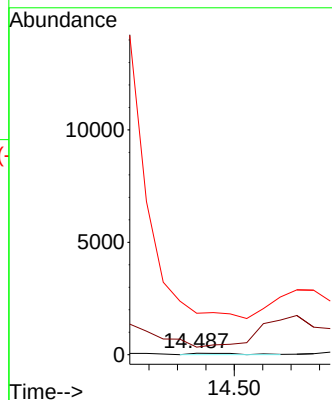
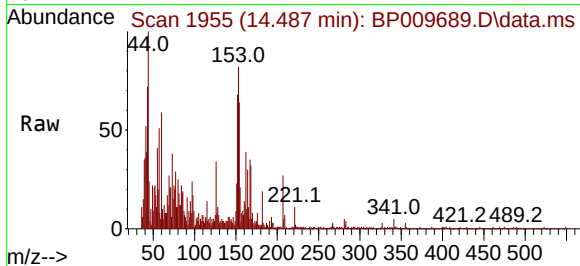




#54
2,4-Dinitrophenol
Concen: 4.543 ng
RT: 14.487 min Scan# 1969
Delta R.T. -0.041 min
Lab File: BP009689.D
Acq: 04 Apr 2022 20:56

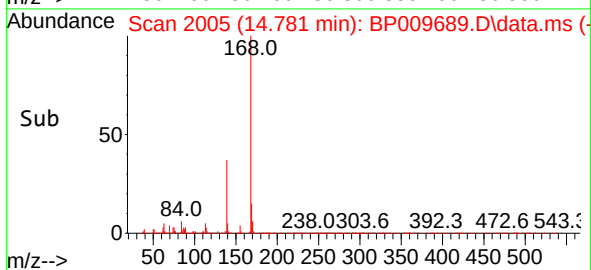
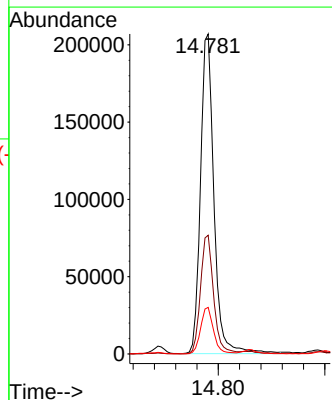
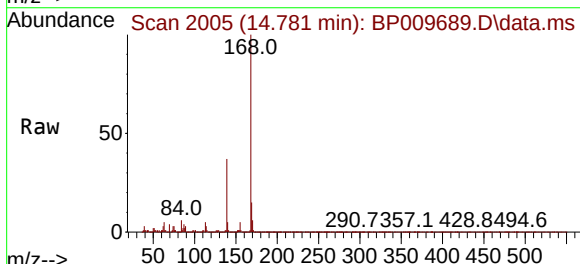
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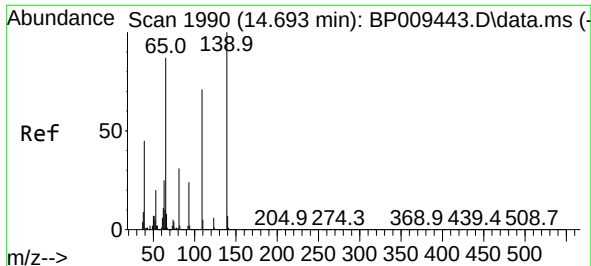
Tgt Ion:184 Resp: 77
Ion Ratio Lower Upper
184 100
63 528.1 46.3 69.5#
154 2881.3 45.8 68.6#



#55
Dibenzofuran
Concen: 5.846 ng
RT: 14.781 min Scan# 2005
Delta R.T. -0.012 min
Lab File: BP009689.D
Acq: 04 Apr 2022 20:56

Tgt Ion:168 Resp: 361593
Ion Ratio Lower Upper
168 100
139 37.1 29.1 43.7
169 14.6 10.6 16.0

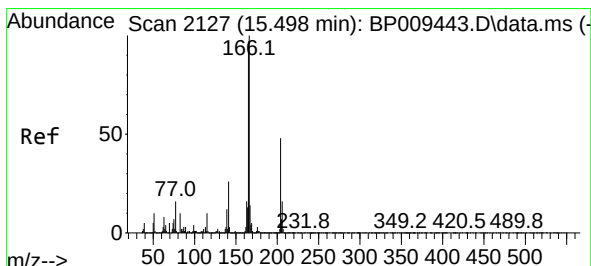
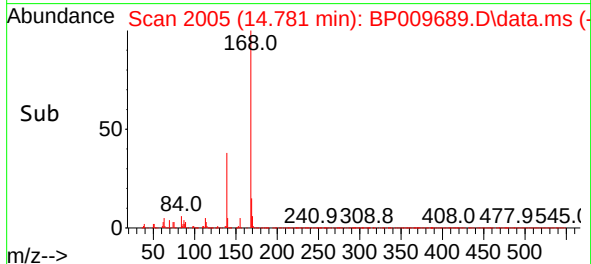
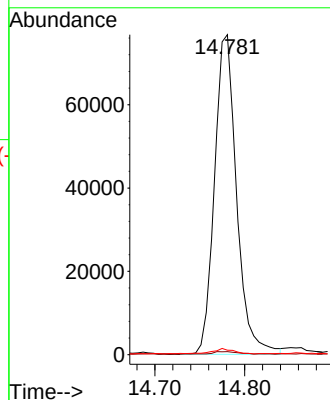
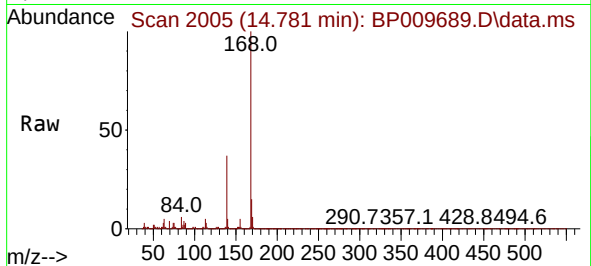




#56
4-Nitrophenol
Concen: 15.436 ng
RT: 14.781 min Scan# 20
Delta R.T. 0.136 min
Lab File: BP009689.D
Acq: 04 Apr 2022 20:56

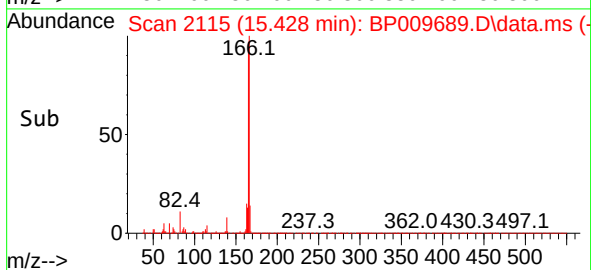
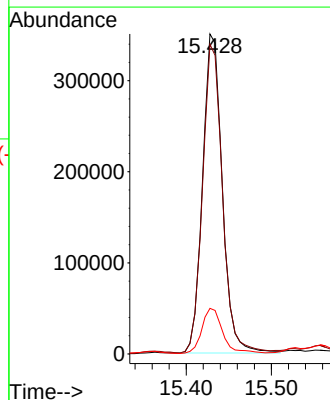
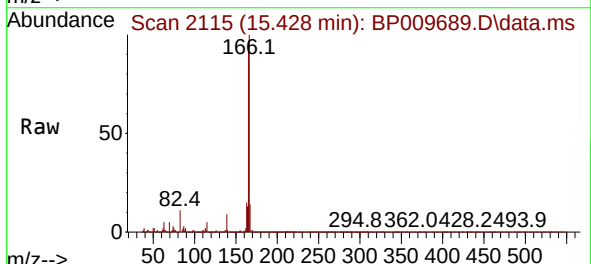
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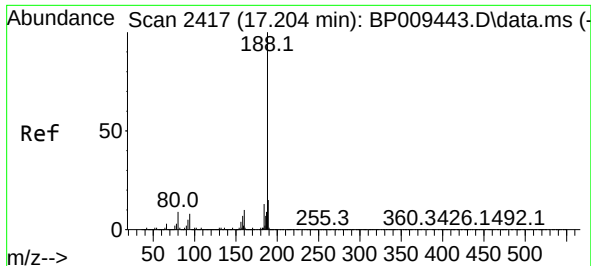
Tgt Ion:139 Resp: 131156
Ion Ratio Lower Upper
139 100
109 1.0 51.2 91.2#
65 1.4 73.2 113.2#



#58
Fluorene
Concen: 11.604 ng
RT: 15.428 min Scan# 2115
Delta R.T. -0.017 min
Lab File: BP009689.D
Acq: 04 Apr 2022 20:56

Tgt Ion:166 Resp: 564467
Ion Ratio Lower Upper
166 100
165 96.8 79.2 118.8
167 14.2 10.7 16.1

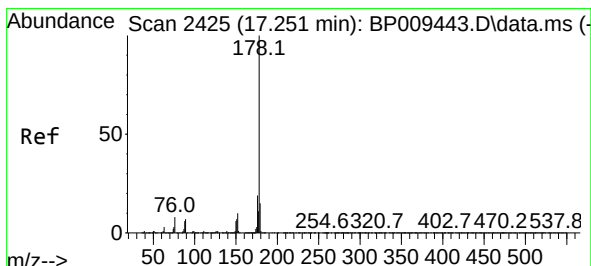
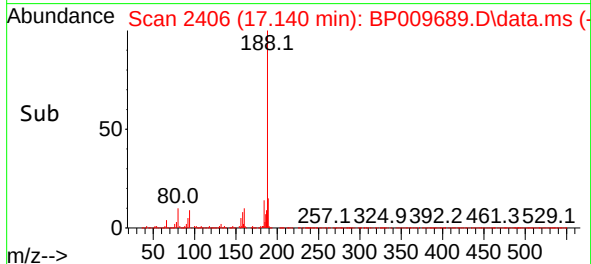
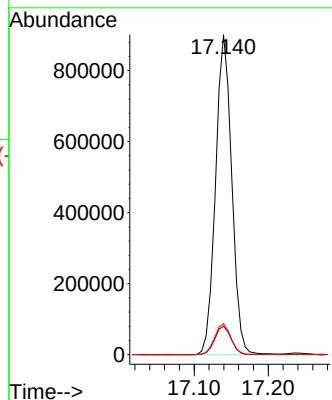
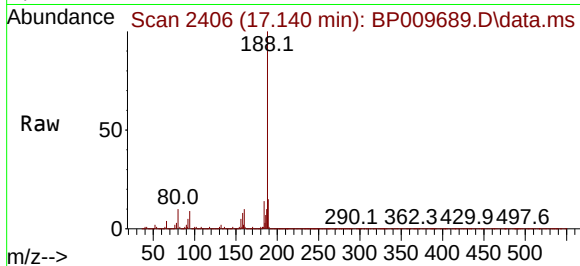




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.140 min Scan# 2417
Delta R.T. -0.017 min
Lab File: BP009689.D
Acq: 04 Apr 2022 20:56

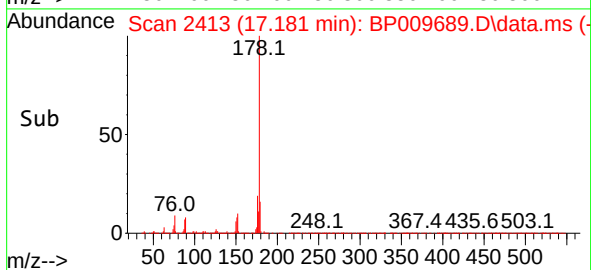
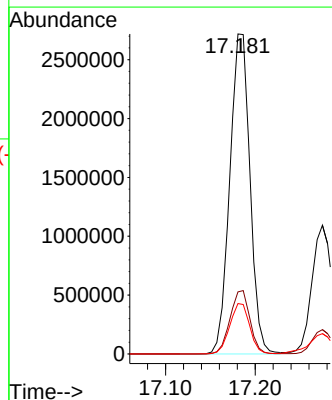
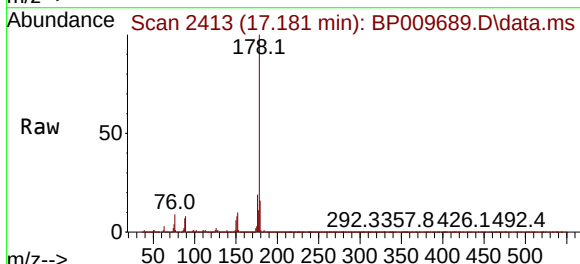
Instrument :
BNA_P
ClientSampleId :
TP-4

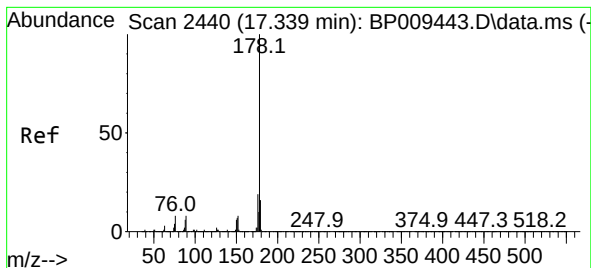
Tgt Ion:188 Resp: 1367321
Ion Ratio Lower Upper
188 100
94 8.9 7.9 11.9
80 9.6 8.8 13.2



#71
Phenanthrene
Concen: 58.064 ng
RT: 17.181 min Scan# 2413
Delta R.T. -0.017 min
Lab File: BP009689.D
Acq: 04 Apr 2022 20:56

Tgt Ion:178 Resp: 4249912
Ion Ratio Lower Upper
178 100
176 19.4 15.4 23.2
179 15.8 12.3 18.5





#72

Anthracene

Concen: 23.444 ng

RT: 17.275 min Scan# 2440

Delta R.T. -0.017 min

Lab File: BP009689.D

Acq: 04 Apr 2022 20:56

Instrument :

BNA_P

ClientSampleId :

TP-4

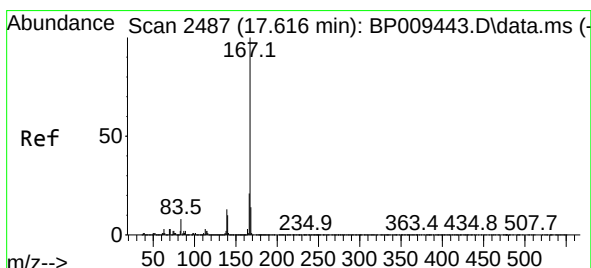
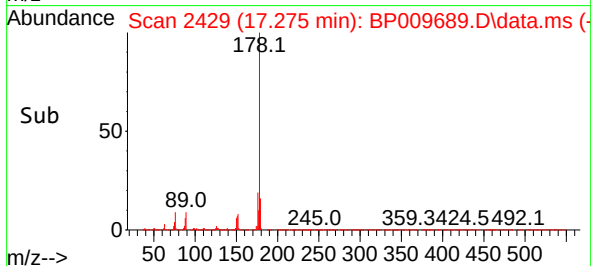
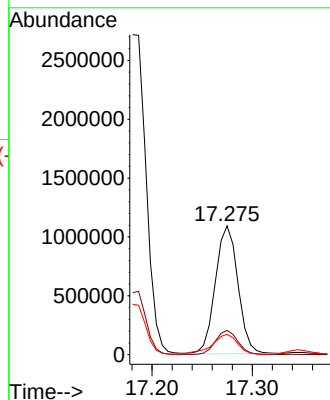
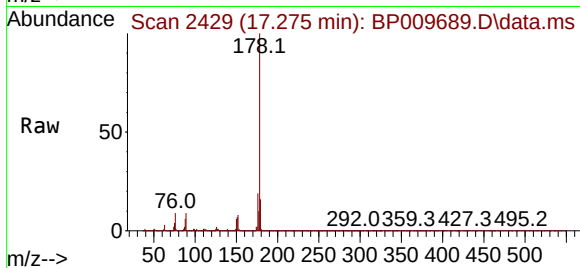
Tgt Ion:178 Resp: 1694176

Ion Ratio Lower Upper

178 100

176 18.9 14.8 22.2

179 15.7 12.2 18.4



#73

Carbazole

Concen: 3.157 ng

RT: 17.557 min Scan# 2477

Delta R.T. -0.012 min

Lab File: BP009689.D

Acq: 04 Apr 2022 20:56

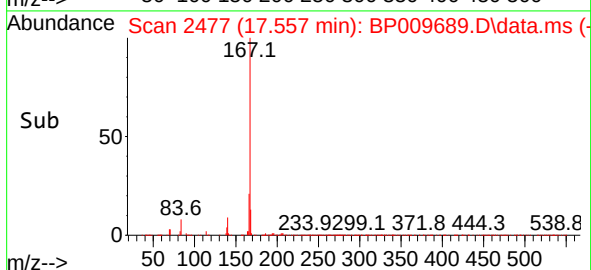
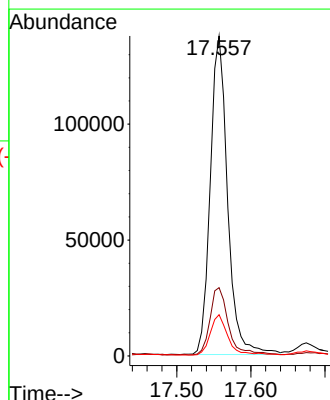
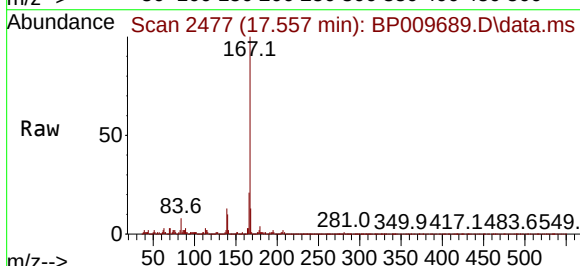
Tgt Ion:167 Resp: 223119

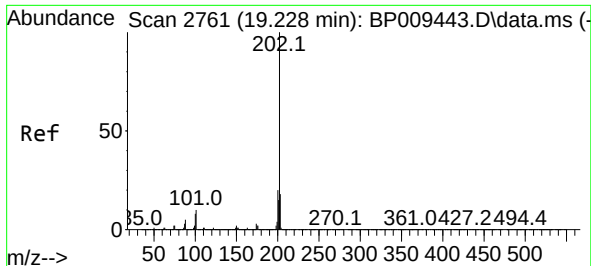
Ion Ratio Lower Upper

167 100

166 21.3 17.2 25.8

139 12.9 10.3 15.5

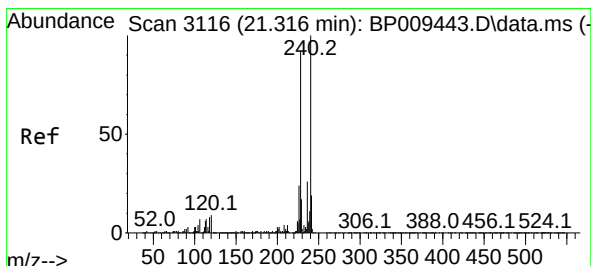
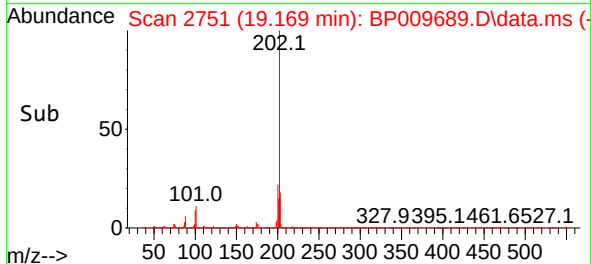
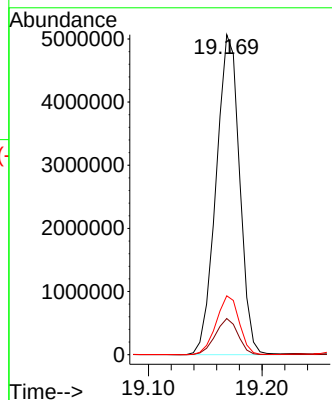
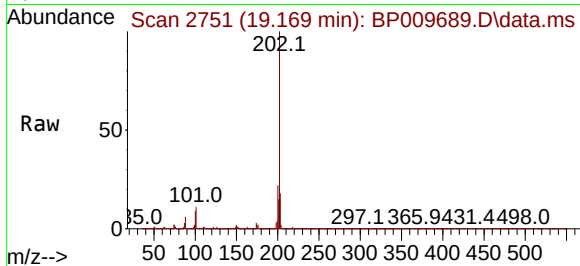




#75
Fluoranthene
Concen: 82.044 ng
RT: 19.169 min Scan# 21
Delta R.T. -0.012 min
Lab File: BP009689.D
Acq: 04 Apr 2022 20:56

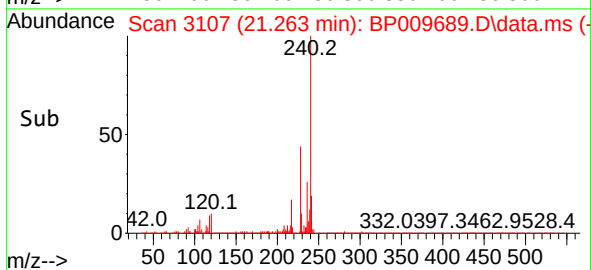
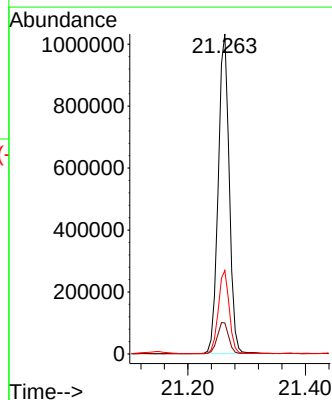
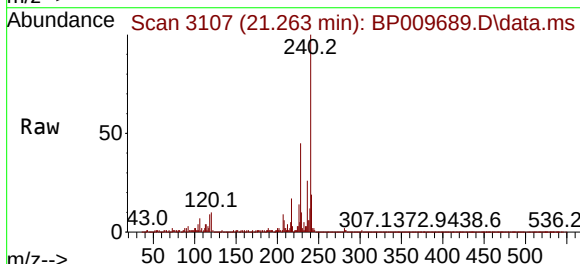
Instrument :
BNA_P
ClientSampleId :
TP-4

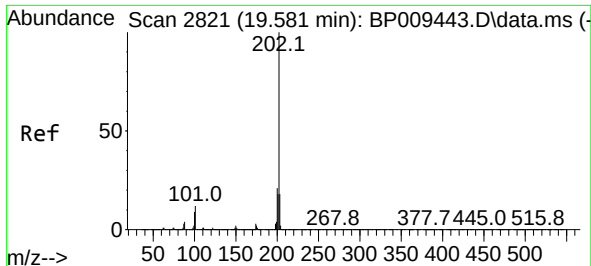
Tgt Ion:202 Resp: 7270005
Ion Ratio Lower Upper
202 100
101 11.3 0.0 31.5
203 18.4 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.263 min Scan# 3107
Delta R.T. -0.012 min
Lab File: BP009689.D
Acq: 04 Apr 2022 20:56

Tgt Ion:240 Resp: 1340458
Ion Ratio Lower Upper
240 100
120 9.7 9.0 13.4
236 26.1 20.6 30.8

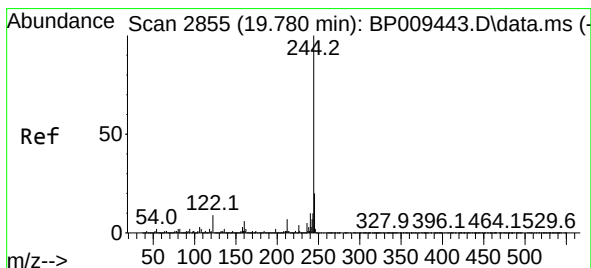
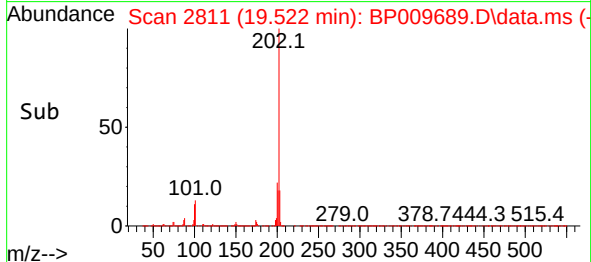
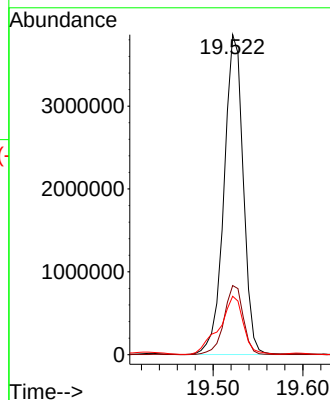
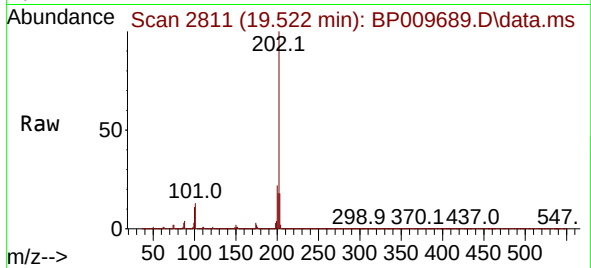




#78
 Pyrene
 Concen: 64.907 ng
 RT: 19.522 min Scan# 2811
 Delta R.T. -0.017 min
 Lab File: BP009689.D
 Acq: 04 Apr 2022 20:56

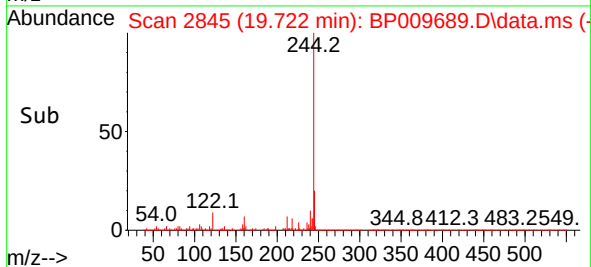
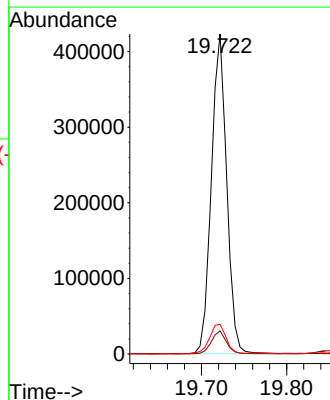
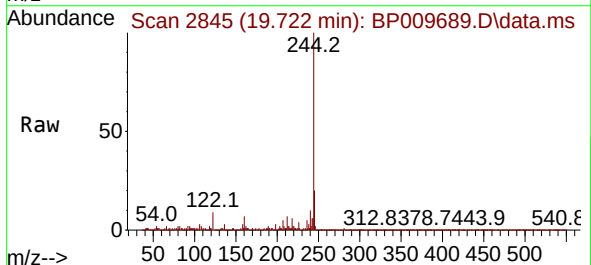
Instrument :
 BNA_P
 ClientSampleId :
 TP-4

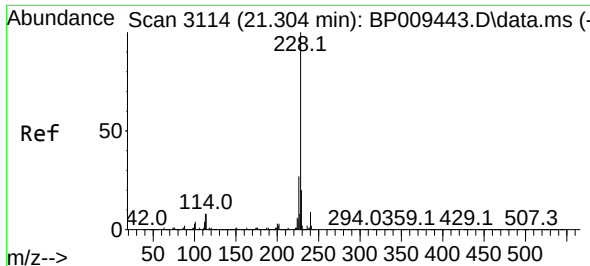
Tgt Ion:202 Resp: 5733279
 Ion Ratio Lower Upper
 202 100
 200 21.6 16.8 25.2
 203 18.2 14.2 21.4



#79
 Terphenyl-d14
 Concen: 7.074 ng
 RT: 19.722 min Scan# 2845
 Delta R.T. -0.017 min
 Lab File: BP009689.D
 Acq: 04 Apr 2022 20:56

Tgt Ion:244 Resp: 528321
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.8 8.6
 122 9.2 8.3 12.5

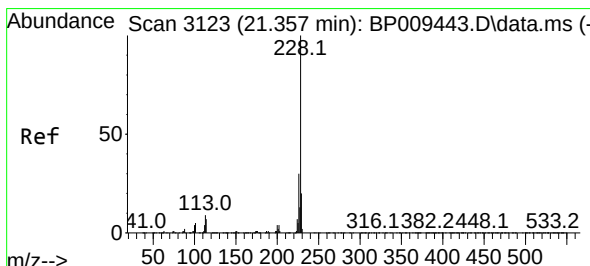
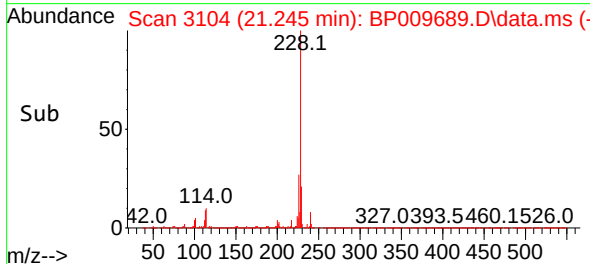
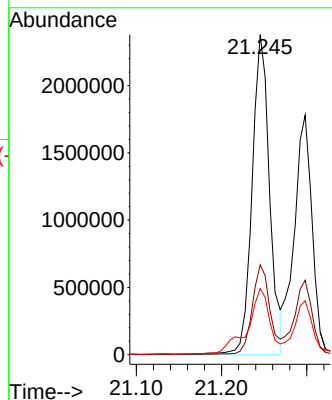
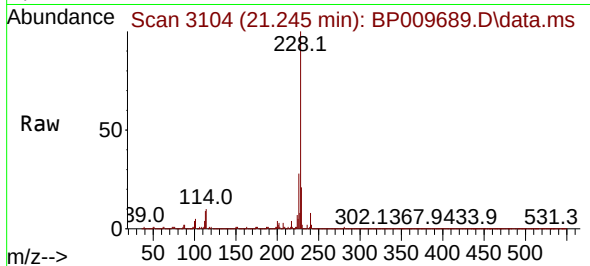




#81
Benzo(a)anthracene
Concen: 38.255 ng
RT: 21.245 min Scan# 3114
Delta R.T. -0.017 min
Lab File: BP009689.D
Acq: 04 Apr 2022 20:56

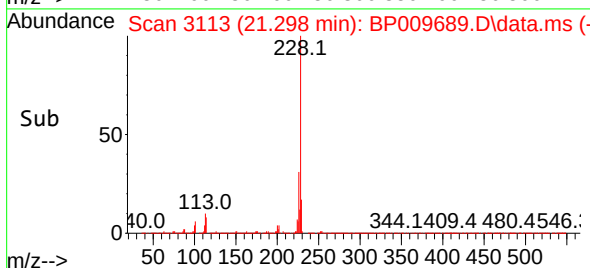
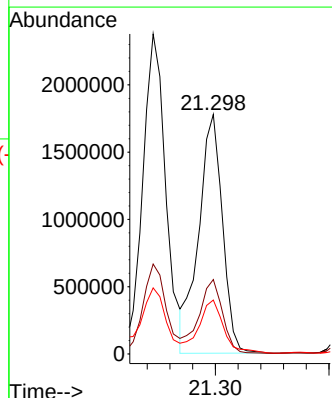
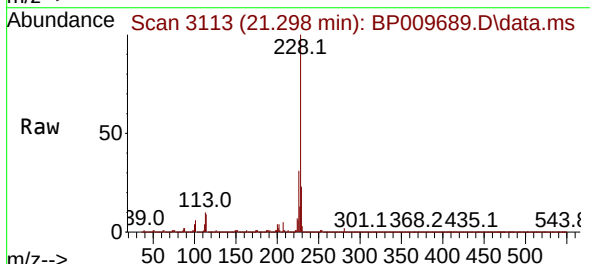
Instrument :
BNA_P
ClientSampleId :
TP-4

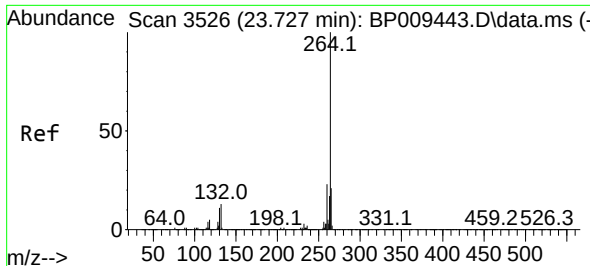
Tgt Ion:228 Resp: 3368971
Ion Ratio Lower Upper
228 100
226 28.1 22.0 33.0
229 20.7 16.1 24.1



#83
Chrysene
Concen: 31.030 ng
RT: 21.298 min Scan# 3113
Delta R.T. -0.012 min
Lab File: BP009689.D
Acq: 04 Apr 2022 20:56

Tgt Ion:228 Resp: 2587666
Ion Ratio Lower Upper
228 100
226 31.1 24.2 36.2
229 22.5 16.1 24.1

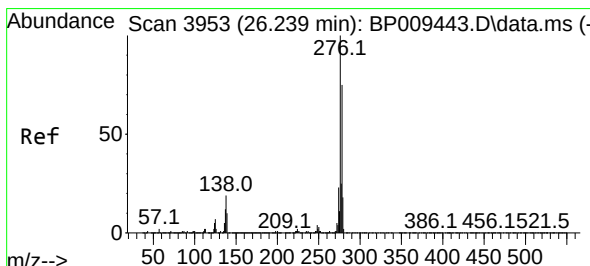
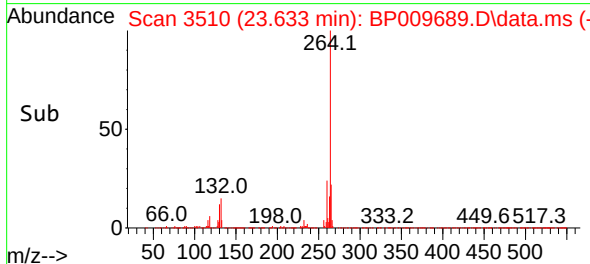
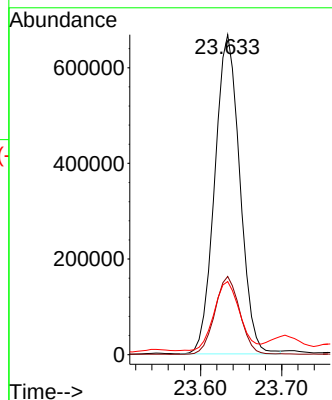
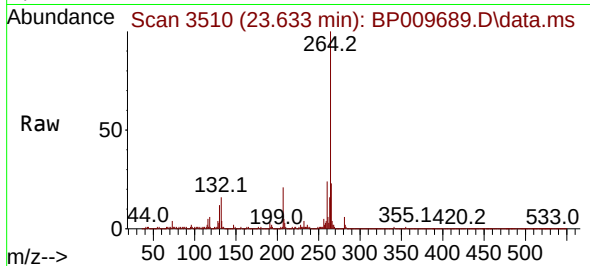




#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 23.633 min Scan# 31
 Delta R.T. -0.017 min
 Lab File: BP009689.D
 Acq: 04 Apr 2022 20:56

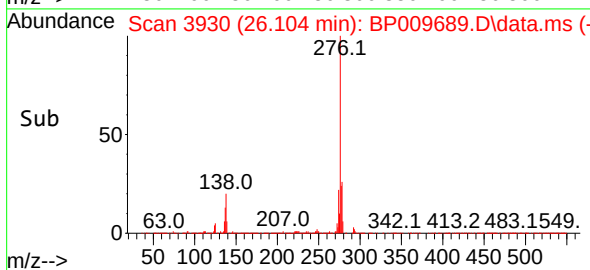
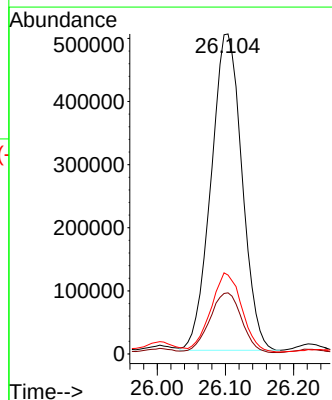
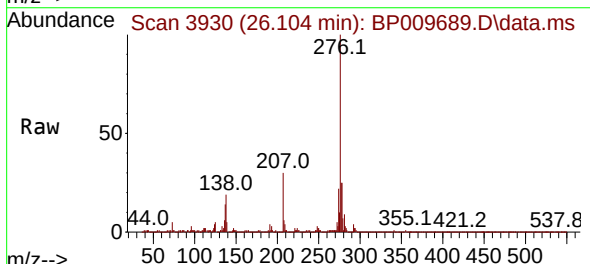
Instrument :
 BNA_P
 ClientSampleId :
 TP-4

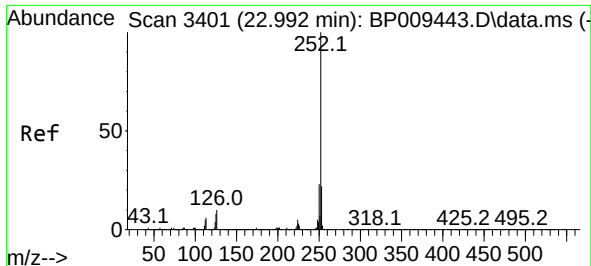
Tgt Ion:264 Resp: 1432535
 Ion Ratio Lower Upper
 264 100
 260 24.4 19.4 29.0
 265 22.9 17.2 25.8



#87
 Indeno(1,2,3-cd)pyrene
 Concen: 14.569 ng
 RT: 26.104 min Scan# 3930
 Delta R.T. -0.035 min
 Lab File: BP009689.D
 Acq: 04 Apr 2022 20:56

Tgt Ion:276 Resp: 1583428
 Ion Ratio Lower Upper
 276 100
 138 19.5 20.5 30.7#
 277 24.9 20.4 30.6

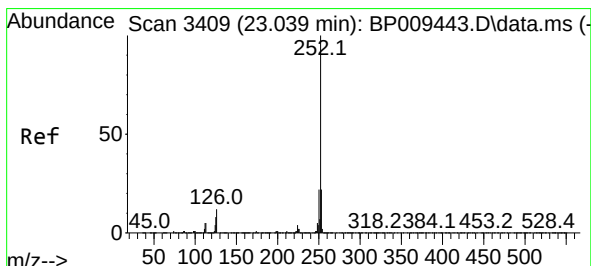
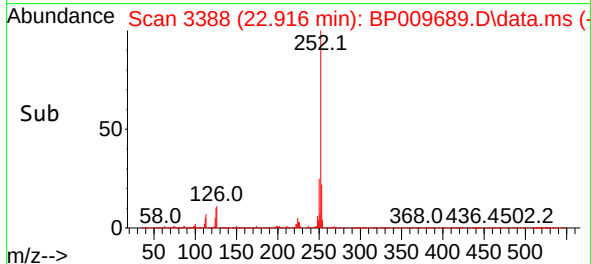
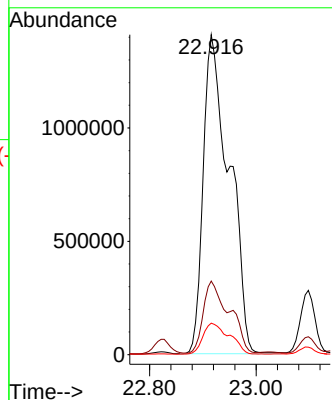
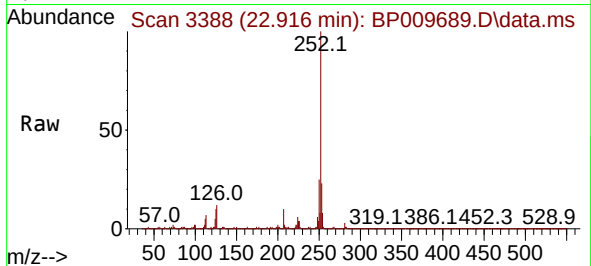




#88
Benzo(b)fluoranthene
Concen: 55.844 ng
RT: 22.916 min Scan# 31
Delta R.T. -0.012 min
Lab File: BP009689.D
Acq: 04 Apr 2022 20:56

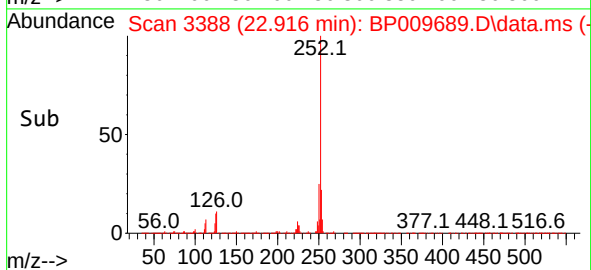
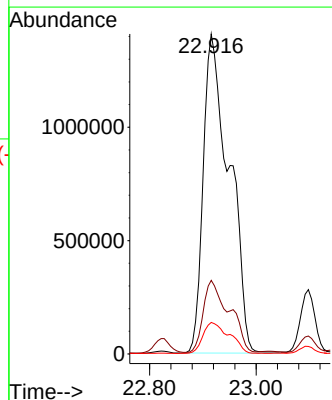
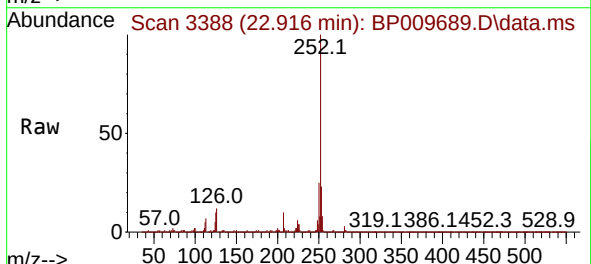
Instrument :
BNA_P
ClientSampleId :
TP-4

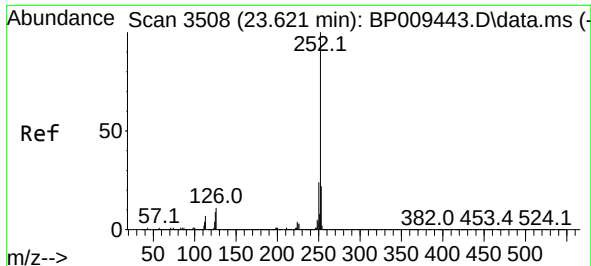
Tgt Ion:252 Resp: 4775722
Ion Ratio Lower Upper
252 100
253 23.0 17.8 26.8
125 9.8 8.1 12.1



#89
Benzo(k)fluoranthene
Concen: 57.039 ng
RT: 22.916 min Scan# 3388
Delta R.T. -0.064 min
Lab File: BP009689.D
Acq: 04 Apr 2022 20:56

Tgt Ion:252 Resp: 4775953
Ion Ratio Lower Upper
252 100
253 23.0 17.5 26.3
125 9.8 8.3 12.5

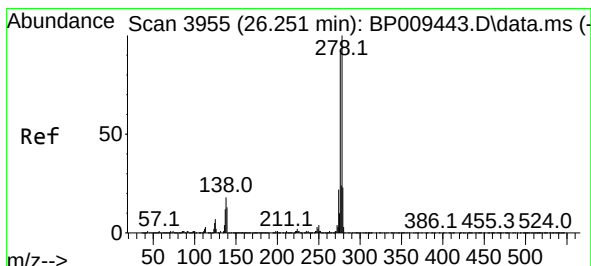
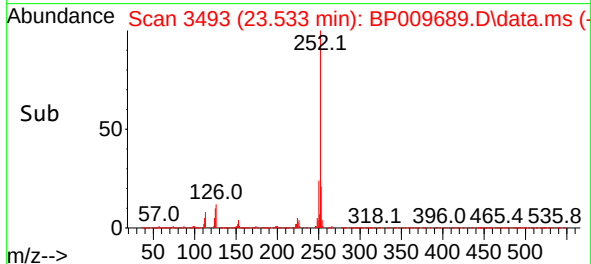
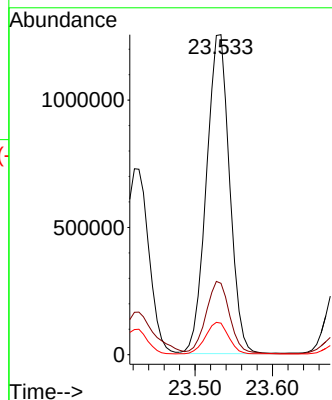
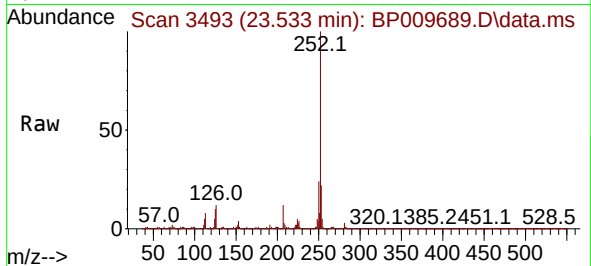




#90
Benzo(a)pyrene
Concen: 35.694 ng
RT: 23.533 min Scan# 34
Delta R.T. -0.017 min
Lab File: BP009689.D
Acq: 04 Apr 2022 20:56

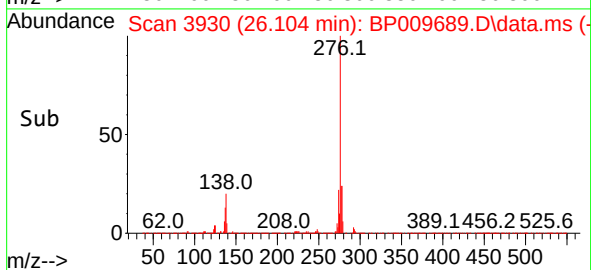
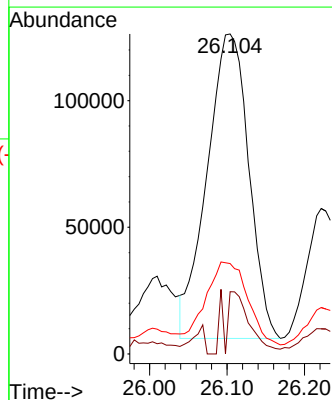
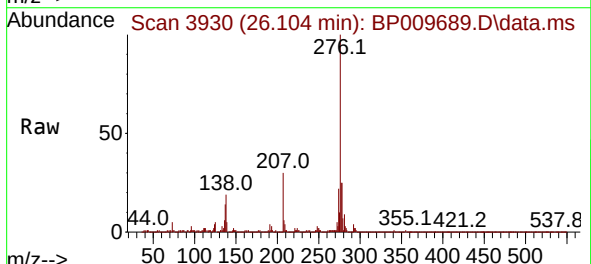
Instrument :
BNA_P
ClientSampleId :
TP-4

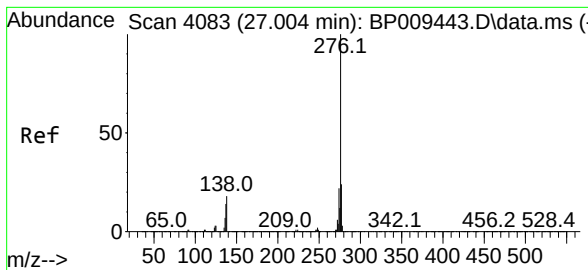
Tgt Ion:252 Resp: 2611620
Ion Ratio Lower Upper
252 100
253 22.3 17.8 26.6
125 9.9 9.3 13.9



#91
Dibenzo(a,h)anthracene
Concen: 4.973 ng
RT: 26.104 min Scan# 3930
Delta R.T. -0.047 min
Lab File: BP009689.D
Acq: 04 Apr 2022 20:56

Tgt Ion:278 Resp: 450484
Ion Ratio Lower Upper
278 100
139 19.4 13.2 19.8
279 28.3 19.2 28.8





#92
 Benzo(g,h,i)perylene
 Concen: 15.977 ng
 RT: 26.863 min Scan# 4083
 Delta R.T. -0.035 min
 Lab File: BP009689.D
 Acq: 04 Apr 2022 20:56

Instrument :
 BNA_P
 ClientSampleId :
 TP-4

Tgt Ion:276 Resp: 1423714

Ion	Ratio	Lower	Upper
276	100		
277	24.8	19.2	28.8
138	20.2	18.0	27.0

