

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP033022\
 Data File : BP009627.D
 Acq On : 30 Mar 2022 19:54
 Operator : CG/JU
 Sample : N2155-03
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 22L076-C

Quant Time: Mar 31 04:41:29 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)

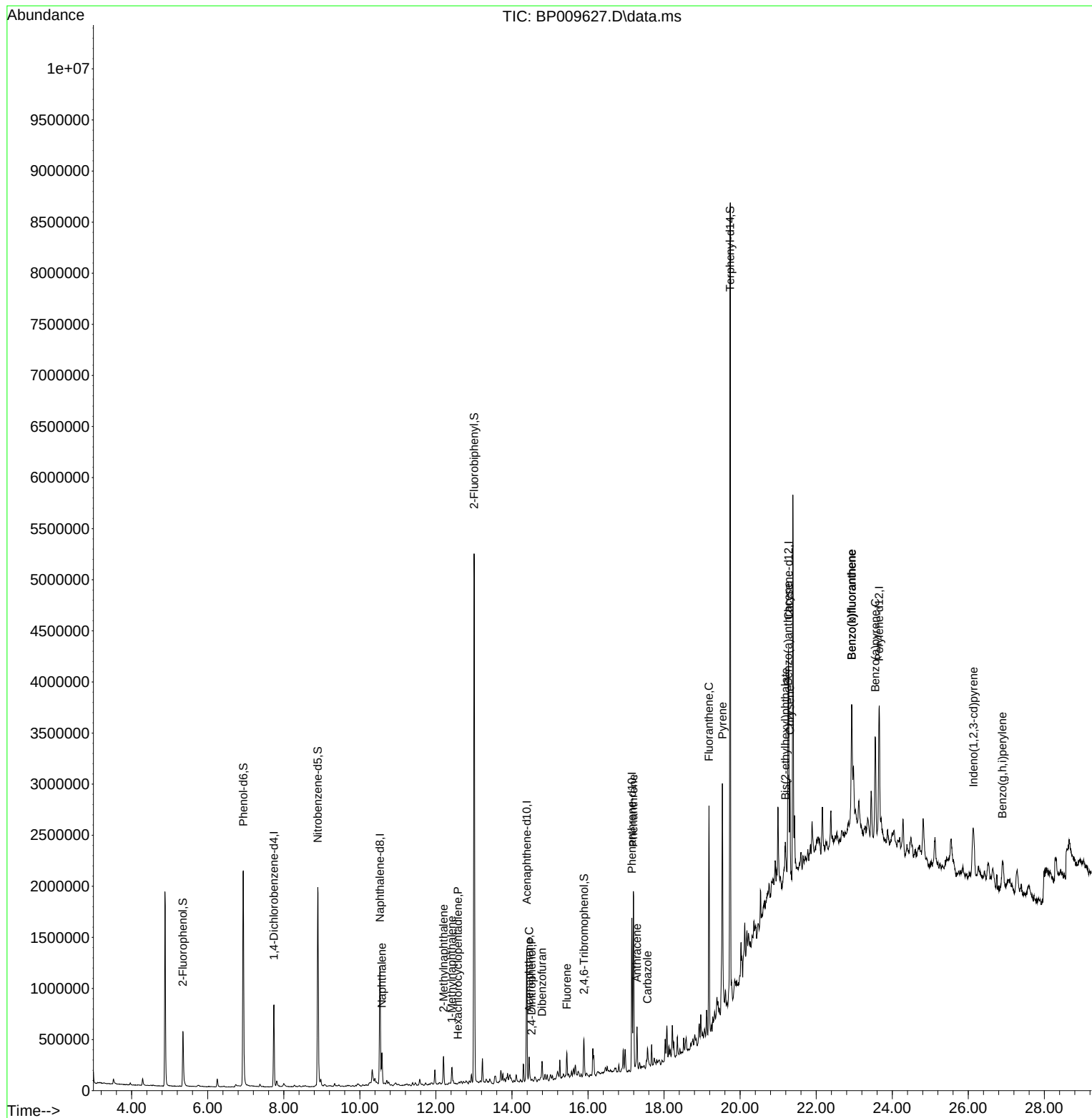
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.740	152	254015	20.000	ng	0.00
21) Naphthalene-d8	10.528	136	995408	20.000	ng	0.00
39) Acenaphthene-d10	14.387	164	479566	20.000	ng	0.00
64) Phenanthrene-d10	17.151	188	964905	20.000	ng	0.00
76) Chrysene-d12	21.275	240	967895	20.000	ng	# 0.00
86) Perylene-d12	23.657	264	1104533	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.346	112	317592	21.829	ng	0.00
7) Phenol-d6	6.934	99	1534277	77.980	ng	0.00
23) Nitrobenzene-d5	8.893	82	1338243	71.443	ng	0.00
42) 2,4,6-Tribromophenol	15.892	330	81692	10.323	ng	0.00
45) 2-Fluorobiphenyl	13.004	172	3040514	87.893	ng	0.00
79) Terphenyl-d14	19.739	244	4292586	79.603	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.893	77	3973	Below Cal	#	85
31) Naphthalene	10.581	128	275767	5.378	ng	99
37) 2-Methylnaphthalene	12.199	142	148011	4.114	ng	99
38) 1-Methylnaphthalene	12.416	142	85366	2.436	ng	98
41) Hexachlorocyclopentadiene	12.575	237	54	7.295	ng	# 74
52) Acenaphthene	14.451	154	85548	3.294	ng	99
54) 2,4-Dinitrophenol	14.516	184	51	4.543	ng	# 1
55) Dibenzofuran	14.793	168	99277	2.275	ng	# 97
58) Fluorene	15.445	166	117093	3.412	ng	99
71) Phenanthrene	17.192	178	1186498	22.971	ng	99
72) Anthracene	17.287	178	283273	5.555	ng	98
73) Carbazole	17.563	167	132305	2.653	ng	97
75) Fluoranthene	19.181	202	1368821	21.890	ng	98
78) Pyrene	19.533	202	1377929	21.604	ng	99
81) Benzo(a)anthracene	21.257	228	695203	10.933	ng	98
83) Chrysene	21.310	228	614485	10.205	ng	97
84) Bis(2-ethylhexyl)phtha...	21.192	149	96372	2.550	ng	# 91
87) Indeno(1,2,3-cd)pyrene	26.139	276	433204	5.170	ng	# 91
88) Benzo(b)fluoranthene	22.933	252	843329	12.790	ng	# 91
89) Benzo(k)fluoranthene	22.933	252	843329	13.063	ng	# 91
90) Benzo(a)pyrene	23.551	252	637792	11.305	ng	94
92) Benzo(g,h,i)perylene	26.898	276	451755	6.575	ng	93

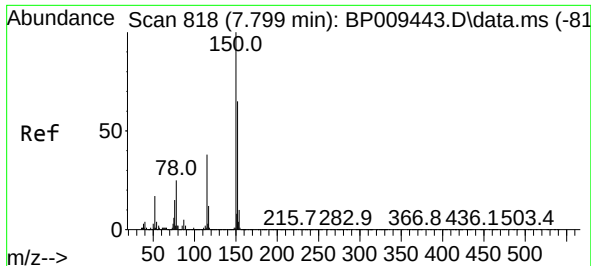
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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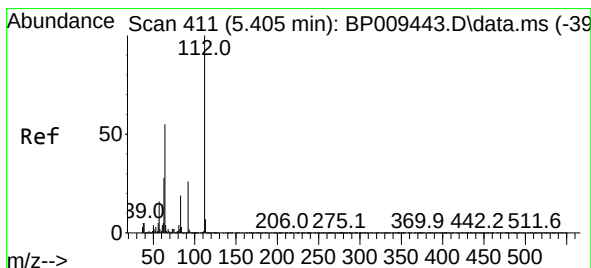
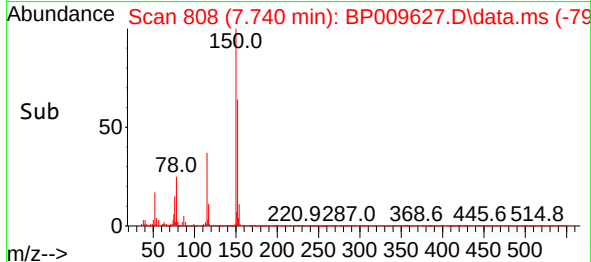
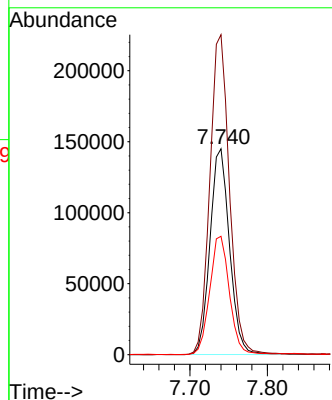
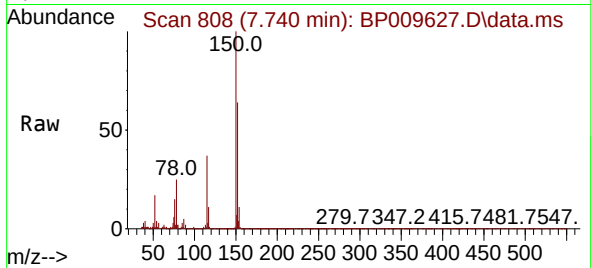




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.740 min Scan# 80
Delta R.T. -0.000 min
Lab File: BP009627.D
Acq: 30 Mar 2022 19:54

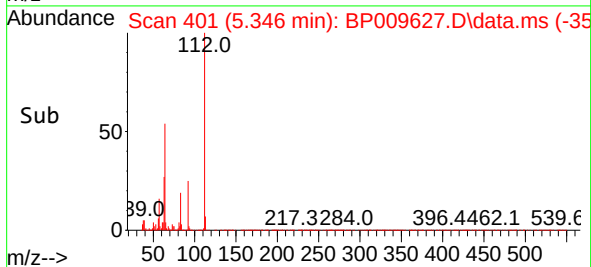
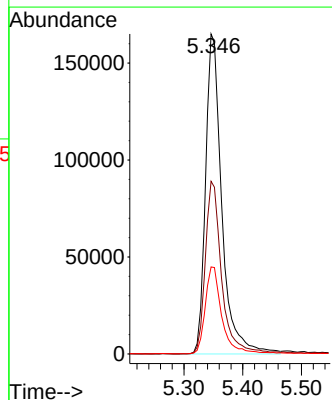
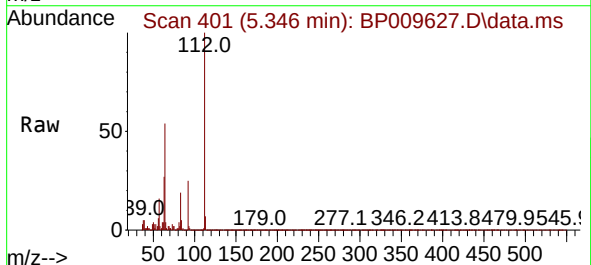
Instrument :
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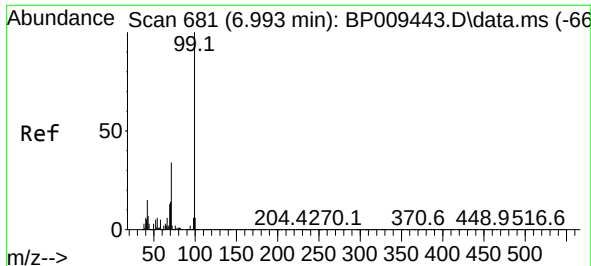
Tgt Ion:152 Resp: 254015
Ion Ratio Lower Upper
152 100
150 155.4 124.5 186.7
115 57.5 48.2 72.4



#5
2-Fluorophenol
Concen: 21.829 ng
RT: 5.346 min Scan# 401
Delta R.T. 0.000 min
Lab File: BP009627.D
Acq: 30 Mar 2022 19:54

Tgt Ion:112 Resp: 317592
Ion Ratio Lower Upper
112 100
64 53.9 45.0 67.4
63 27.2 23.0 34.6

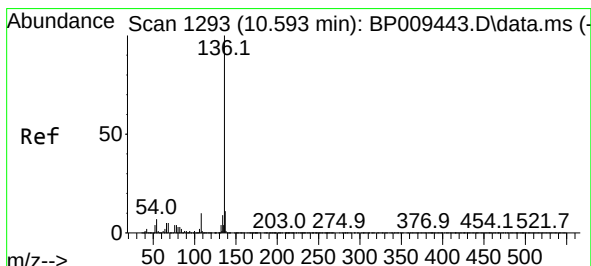
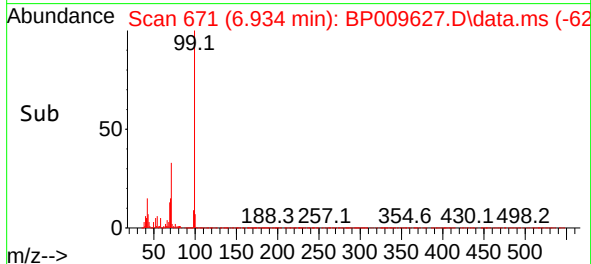
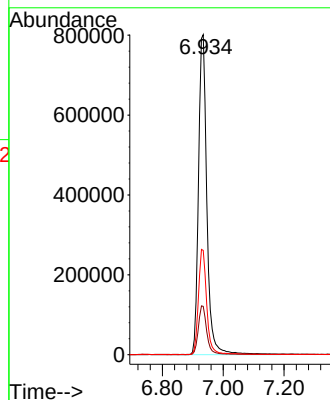
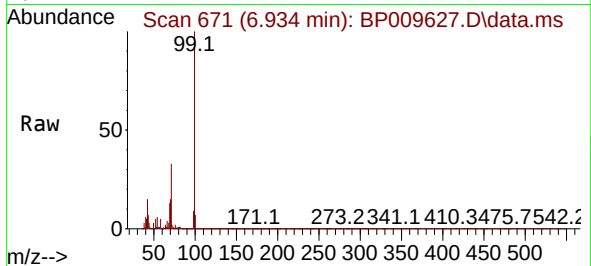




#7
Phenol-d6
Concen: 77.980 ng
RT: 6.934 min Scan# 61
Delta R.T. 0.000 min
Lab File: BP009627.D
Acq: 30 Mar 2022 19:54

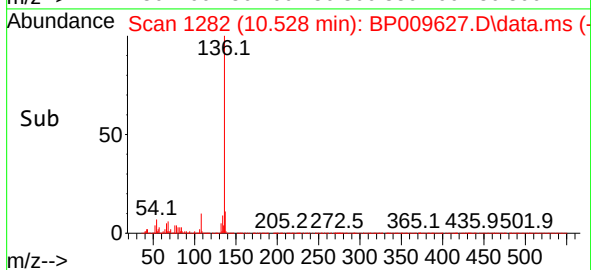
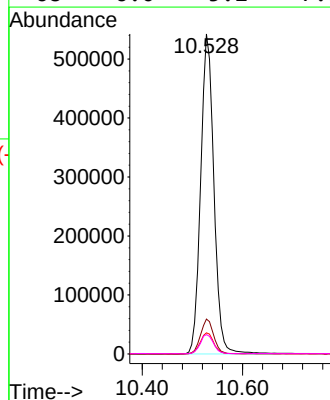
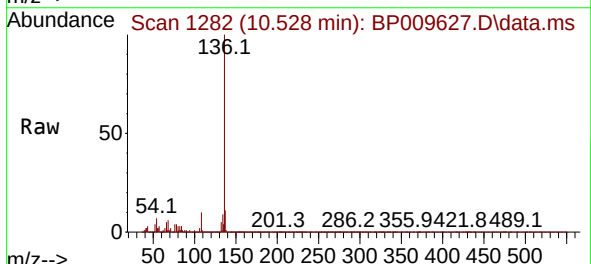
Instrument :
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ClientSampleId :
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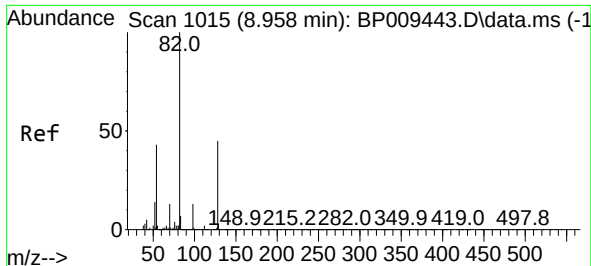
Tgt Ion: 99 Resp: 1534277
Ion Ratio Lower Upper
99 100
42 15.1 12.8 19.2
71 32.6 26.3 39.5



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.528 min Scan# 1282
Delta R.T. -0.006 min
Lab File: BP009627.D
Acq: 30 Mar 2022 19:54

Tgt Ion: 136 Resp: 995408
Ion Ratio Lower Upper
136 100
137 10.9 8.6 12.8
54 6.6 5.8 8.8
68 6.0 5.2 7.8

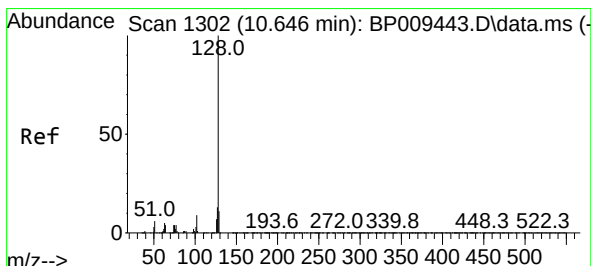
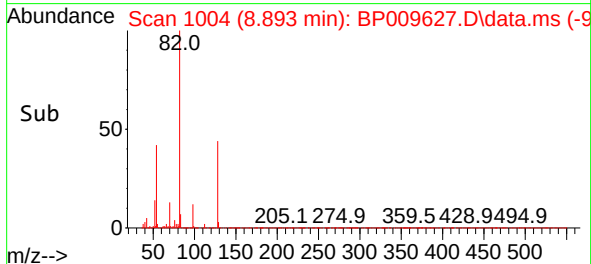
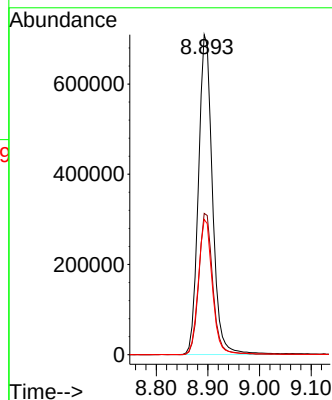
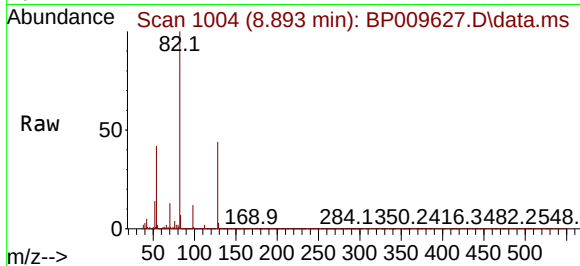




#23
Nitrobenzene-d5
Concen: 71.443 ng
RT: 8.893 min Scan# 1004
Delta R.T. -0.006 min
Lab File: BP009627.D
Acq: 30 Mar 2022 19:54

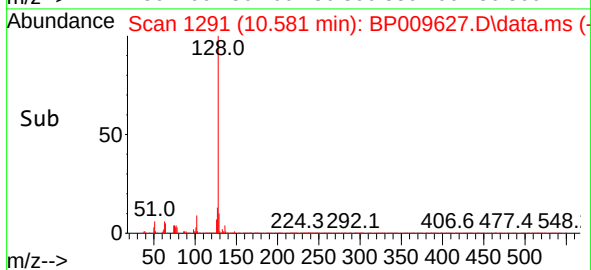
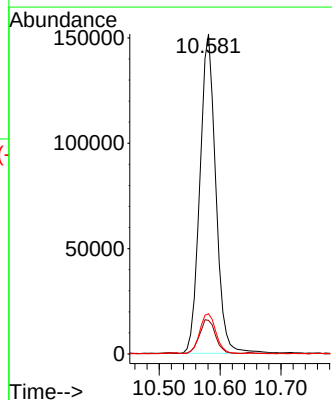
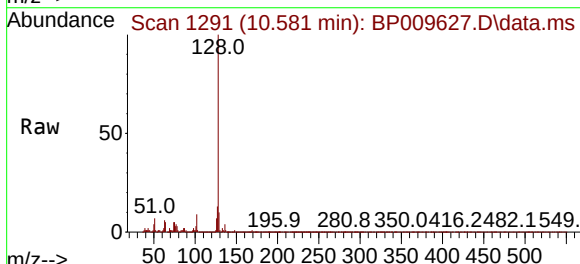
Instrument :
BNA_P
ClientSampleId :
22L076-C

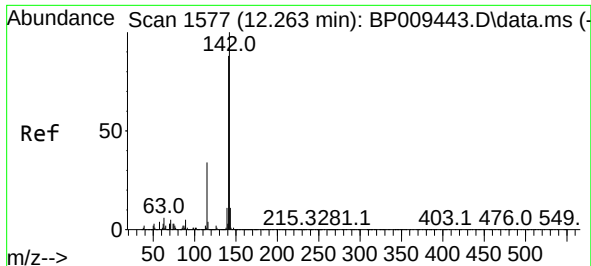
Tgt Ion: 82 Resp: 1338243
Ion Ratio Lower Upper
82 100
128 44.1 34.2 51.4
54 42.3 34.7 52.1



#31
Naphthalene
Concen: 5.378 ng
RT: 10.581 min Scan# 1291
Delta R.T. 0.000 min
Lab File: BP009627.D
Acq: 30 Mar 2022 19:54

Tgt Ion: 128 Resp: 275767
Ion Ratio Lower Upper
128 100
129 10.5 8.6 13.0
127 12.5 10.5 15.7

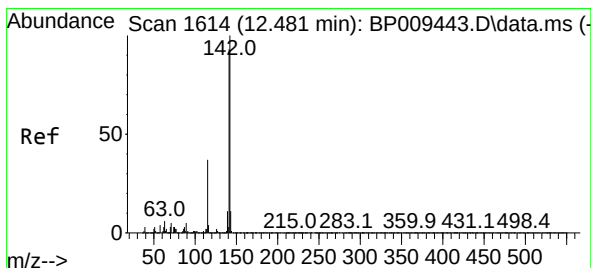
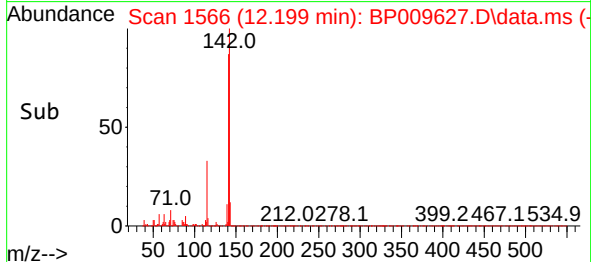
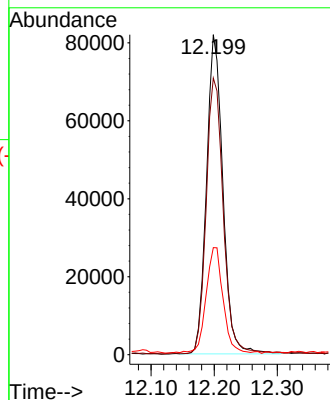
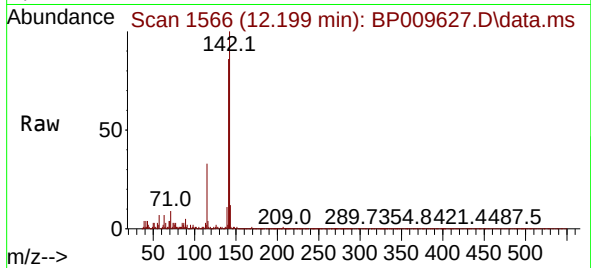




#37
2-Methylnaphthalene
Concen: 4.114 ng
RT: 12.199 min Scan# 1566
Delta R.T. -0.006 min
Lab File: BP009627.D
Acq: 30 Mar 2022 19:54

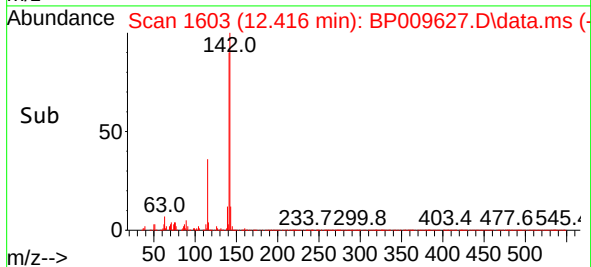
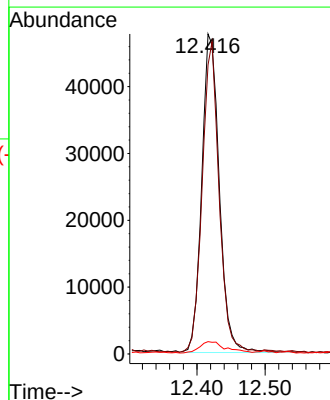
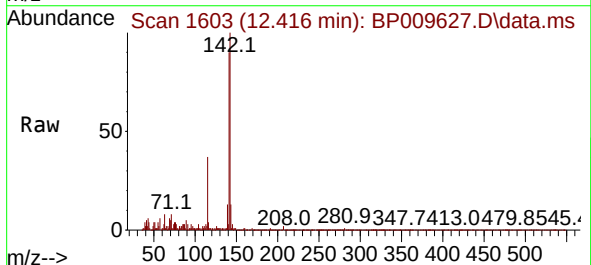
Instrument :
BNA_P
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22L076-C

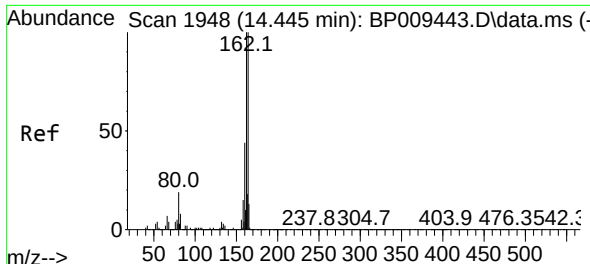
Tgt Ion:142 Resp: 148011
Ion Ratio Lower Upper
142 100
141 86.5 70.2 105.4
115 33.5 27.4 41.2



#38
1-Methylnaphthalene
Concen: 2.436 ng
RT: 12.416 min Scan# 1603
Delta R.T. -0.006 min
Lab File: BP009627.D
Acq: 30 Mar 2022 19:54

Tgt Ion:142 Resp: 85366
Ion Ratio Lower Upper
142 100
141 90.4 73.5 110.3
116 3.8 3.3 4.9

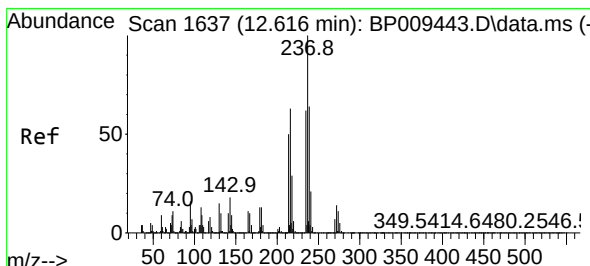
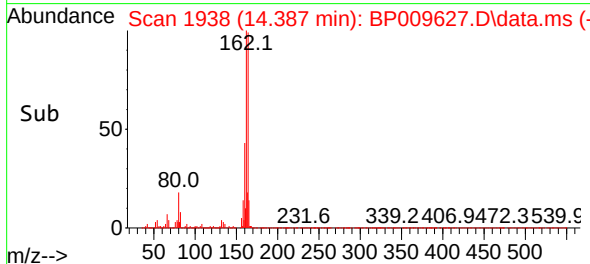
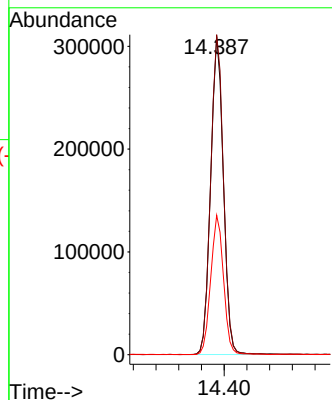
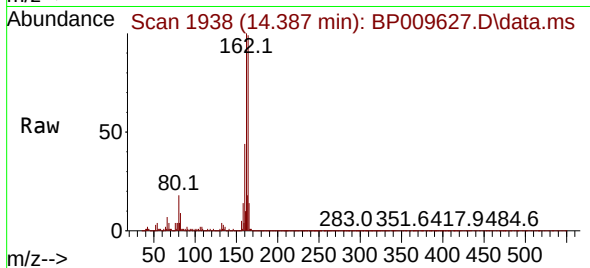




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.387 min Scan# 1948
Delta R.T. -0.006 min
Lab File: BP009627.D
Acq: 30 Mar 2022 19:54

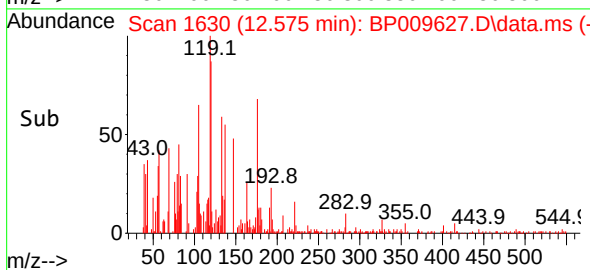
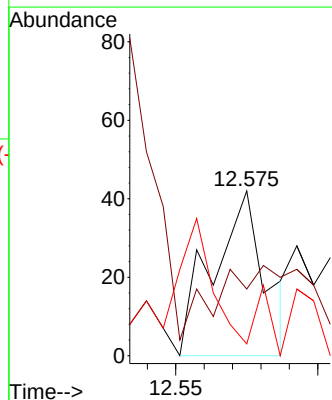
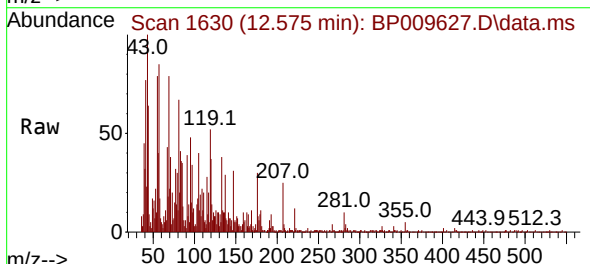
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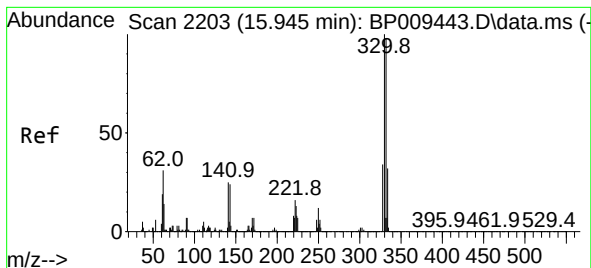
Tgt Ion:164 Resp: 479566
Ion Ratio Lower Upper
164 100
162 100.6 79.1 118.7
160 43.8 34.9 52.3



#41
Hexachlorocyclopentadiene
Concen: 7.295 ng
RT: 12.575 min Scan# 1630
Delta R.T. 0.018 min
Lab File: BP009627.D
Acq: 30 Mar 2022 19:54

Tgt Ion:237 Resp: 54
Ion Ratio Lower Upper
237 100
235 40.5 42.6 82.6#
272 7.1 0.0 32.8





#42

2,4,6-Tribromophenol

Concen: 10.323 ng

RT: 15.892 min Scan# 21

Delta R.T. 0.000 min

Lab File: BP009627.D

Acq: 30 Mar 2022 19:54

Instrument :

BNA_P

ClientSampleId :

22L076-C

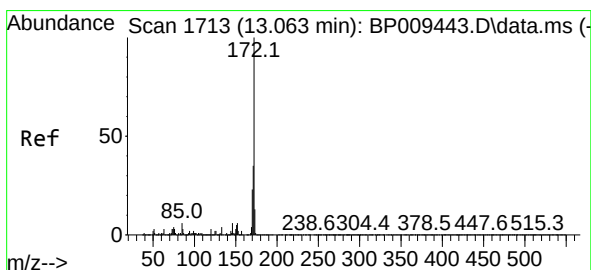
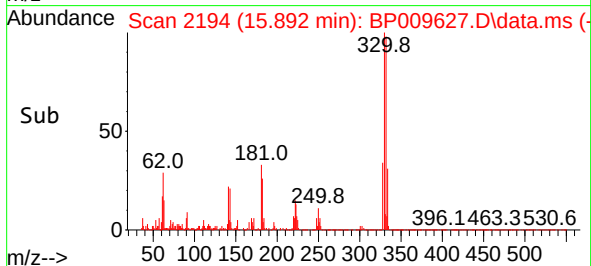
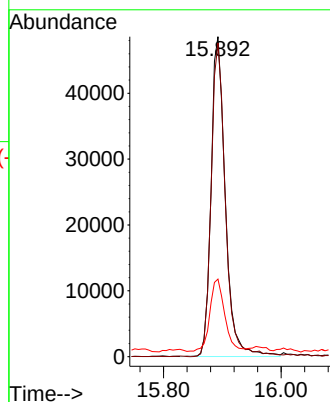
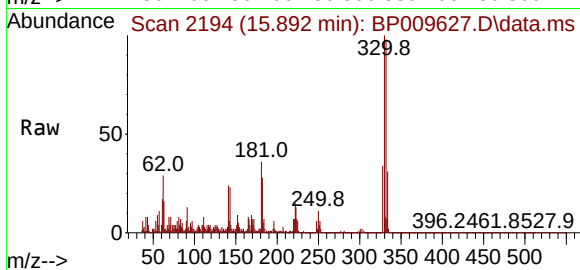
Tgt Ion:330 Resp: 81692

Ion Ratio Lower Upper

330 100

332 98.4 77.0 115.6

141 23.6 27.6 41.4#



#45

2-Fluorobiphenyl

Concen: 87.893 ng

RT: 13.004 min Scan# 1703

Delta R.T. -0.006 min

Lab File: BP009627.D

Acq: 30 Mar 2022 19:54

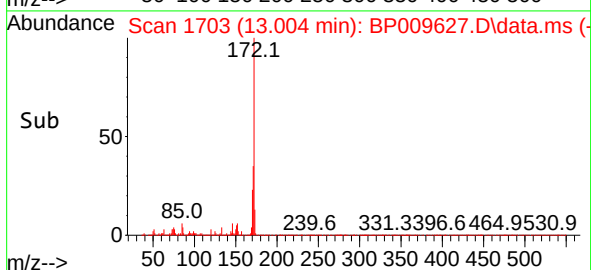
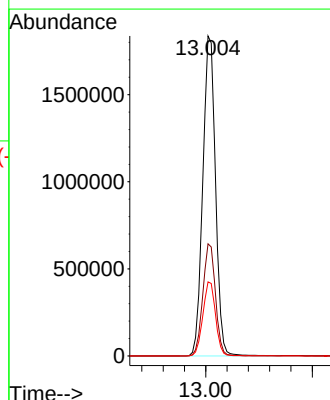
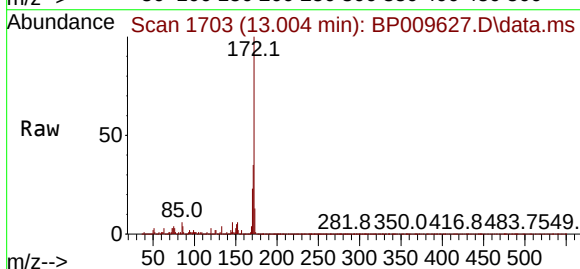
Tgt Ion:172 Resp: 3040514

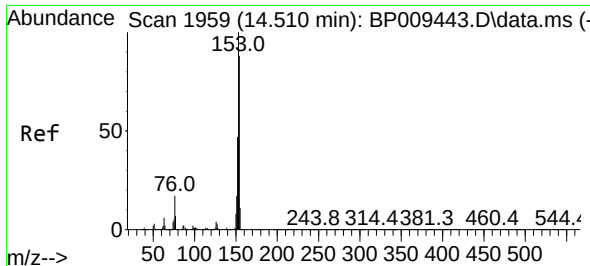
Ion Ratio Lower Upper

172 100

171 35.1 28.0 42.0

170 23.1 18.6 27.8

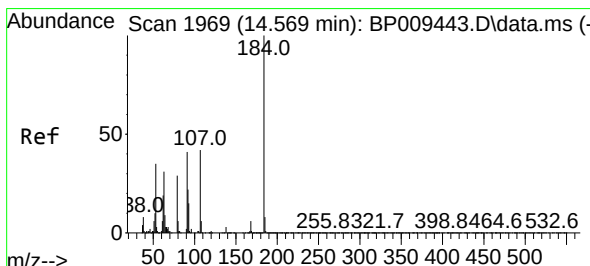
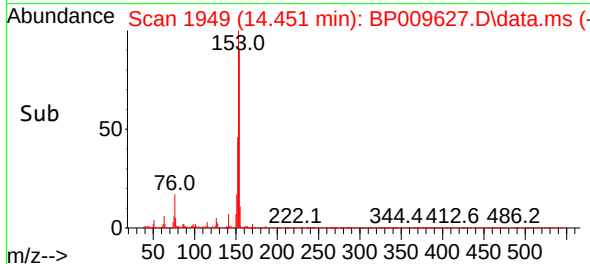
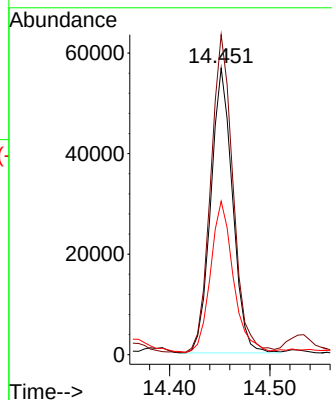
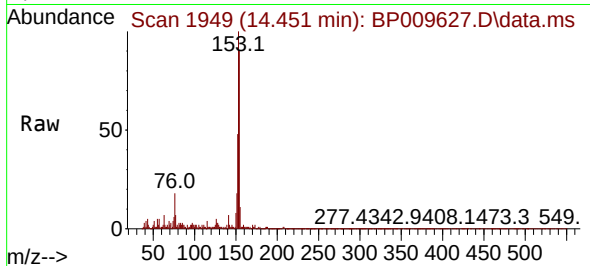




#52
Acenaphthene
Concen: 3.294 ng
RT: 14.451 min Scan# 1949
Delta R.T. -0.006 min
Lab File: BP009627.D
Acq: 30 Mar 2022 19:54

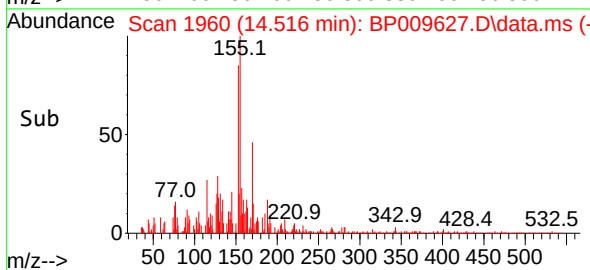
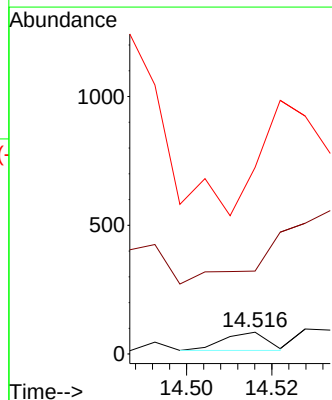
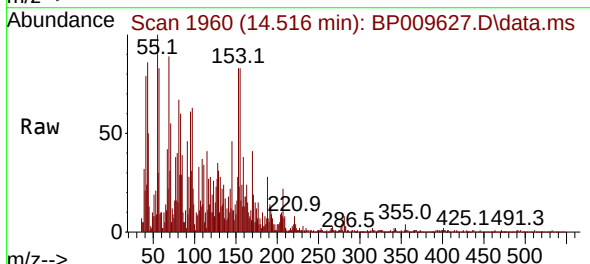
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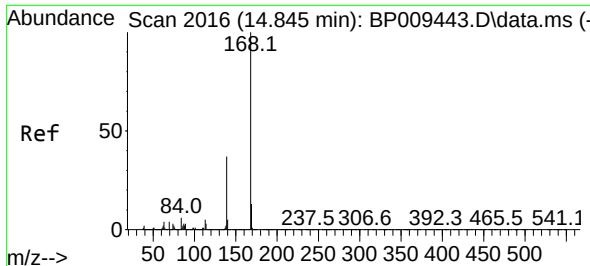
Tgt Ion:	154	Resp:	85548
Ion Ratio	Lower	Upper	
154	100		
153	111.6	90.2	135.4
152	53.5	42.7	64.1



#54
2,4-Dinitrophenol
Concen: 4.543 ng
RT: 14.516 min Scan# 1960
Delta R.T. -0.012 min
Lab File: BP009627.D
Acq: 30 Mar 2022 19:54

Tgt Ion:	184	Resp:	51
Ion Ratio	Lower	Upper	
184	100		
63	378.8	46.3	69.5#
154	852.9	45.8	68.6#

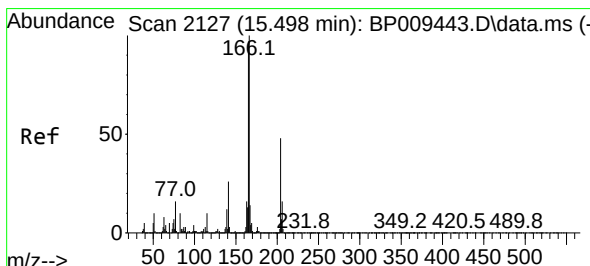
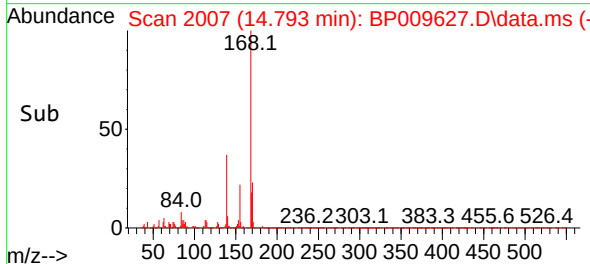
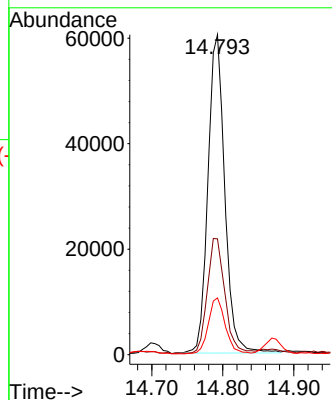
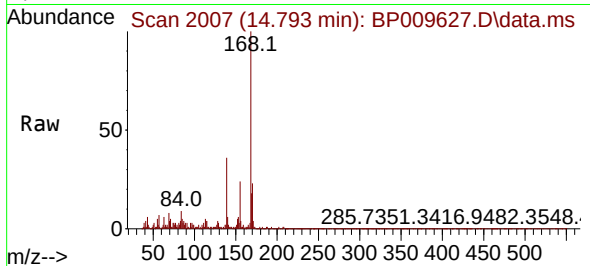




#55
Dibenzenofuran
Concen: 2.275 ng
RT: 14.793 min Scan# 2016
Delta R.T. 0.000 min
Lab File: BP009627.D
Acq: 30 Mar 2022 19:54

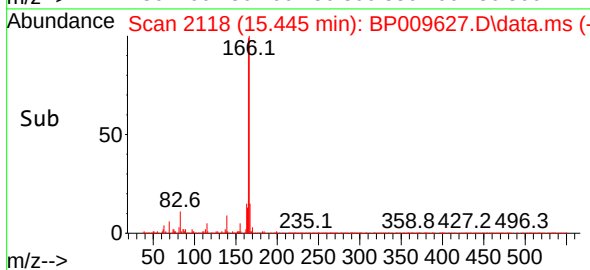
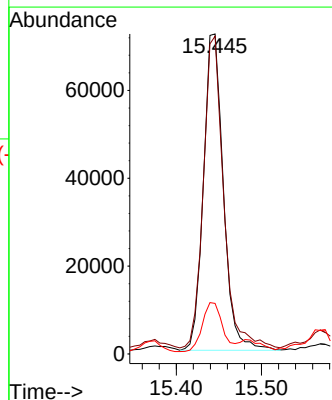
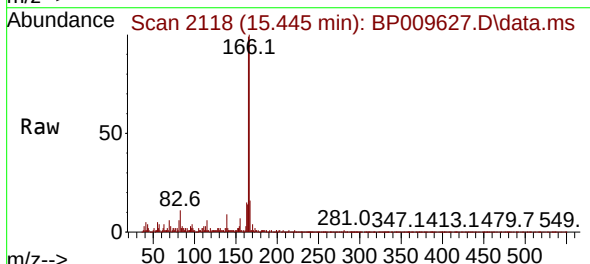
Instrument :
BNA_P
ClientSampleId :
22L076-C

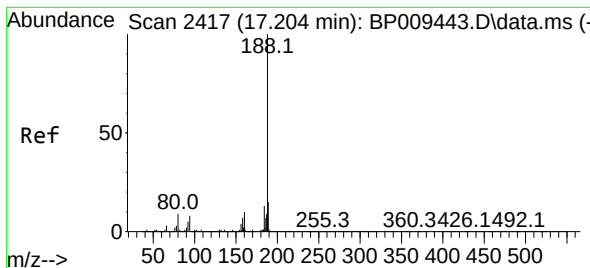
Tgt Ion:168 Resp: 99277
Ion Ratio Lower Upper
168 100
139 36.2 29.1 43.7
169 17.7 10.6 16.0#



#58
Fluorene
Concen: 3.412 ng
RT: 15.445 min Scan# 2118
Delta R.T. 0.000 min
Lab File: BP009627.D
Acq: 30 Mar 2022 19:54

Tgt Ion:166 Resp: 117093
Ion Ratio Lower Upper
166 100
165 99.3 79.2 118.8
167 15.8 10.7 16.1





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.151 min Scan# 2417

Delta R.T. -0.006 min

Lab File: BP009627.D

Acq: 30 Mar 2022 19:54

Instrument :

BNA_P

ClientSampleId :

22L076-C

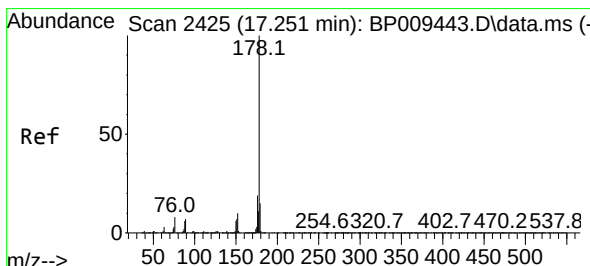
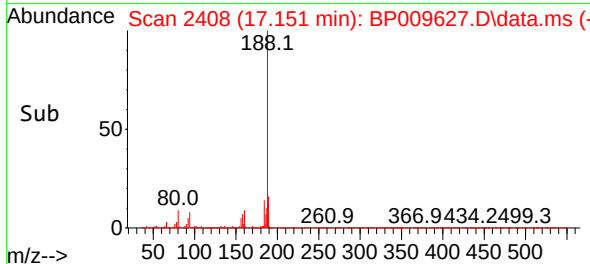
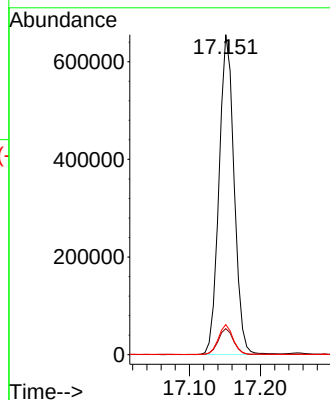
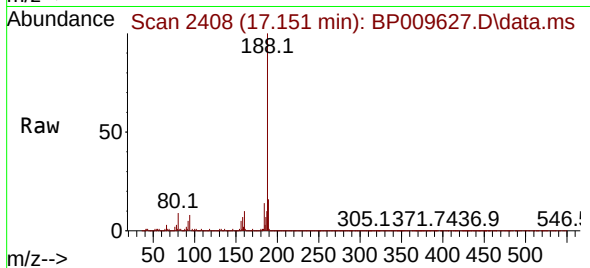
Tgt Ion:188 Resp: 964905

Ion Ratio Lower Upper

188 100

94 8.2 7.9 11.9

80 9.4 8.8 13.2



#71

Phenanthrene

Concen: 22.971 ng

RT: 17.192 min Scan# 2415

Delta R.T. -0.006 min

Lab File: BP009627.D

Acq: 30 Mar 2022 19:54

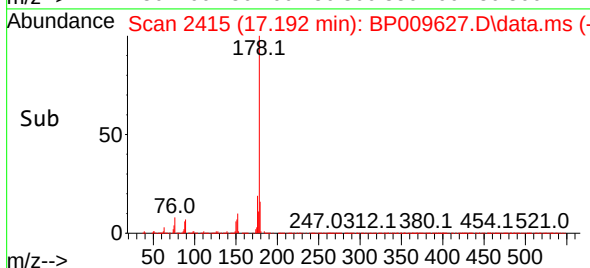
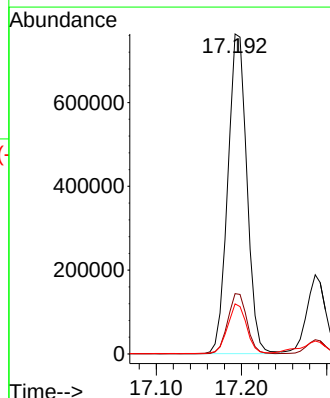
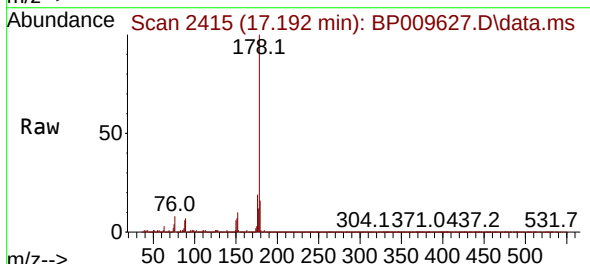
Tgt Ion:178 Resp: 1186498

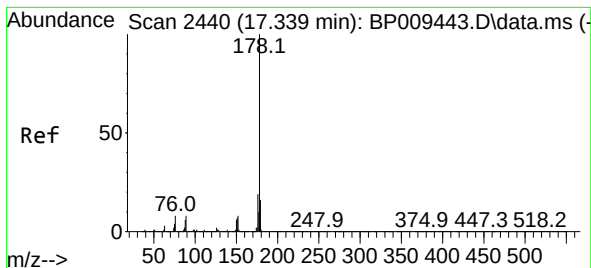
Ion Ratio Lower Upper

178 100

176 18.8 15.4 23.2

179 15.7 12.3 18.5





#72

Anthracene

Concen: 5.555 ng

RT: 17.287 min Scan# 2440

Delta R.T. -0.006 min

Lab File: BP009627.D

Acq: 30 Mar 2022 19:54

Instrument :

BNA_P

ClientSampleId :

22L076-C

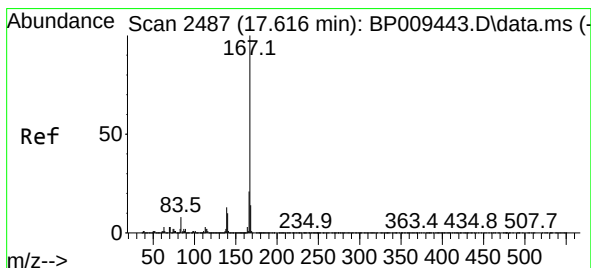
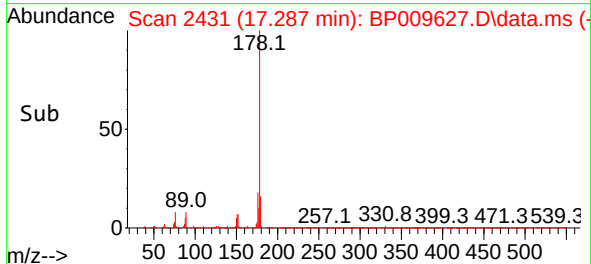
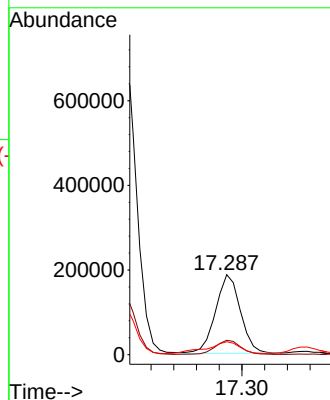
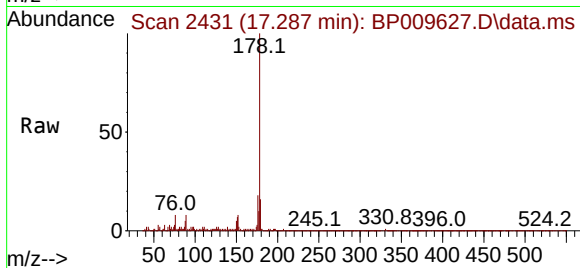
Tgt Ion:178 Resp: 283273

Ion Ratio Lower Upper

178 100

176 17.9 14.8 22.2

179 16.3 12.2 18.4



#73

Carbazole

Concen: 2.653 ng

RT: 17.563 min Scan# 2478

Delta R.T. -0.006 min

Lab File: BP009627.D

Acq: 30 Mar 2022 19:54

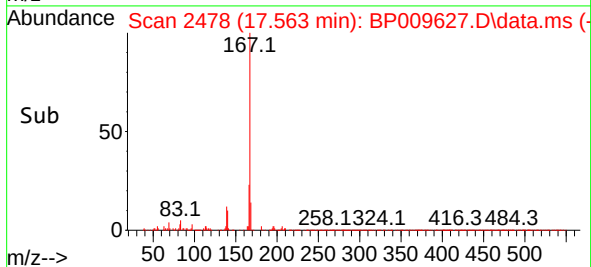
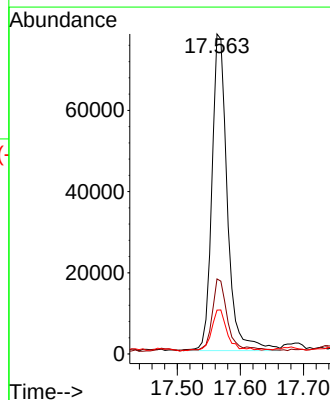
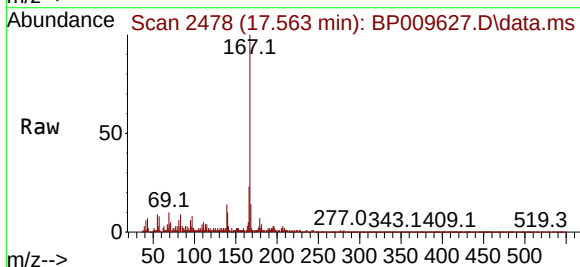
Tgt Ion:167 Resp: 132305

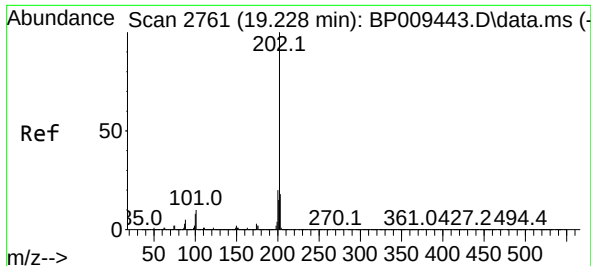
Ion Ratio Lower Upper

167 100

166 23.4 17.2 25.8

139 13.7 10.3 15.5

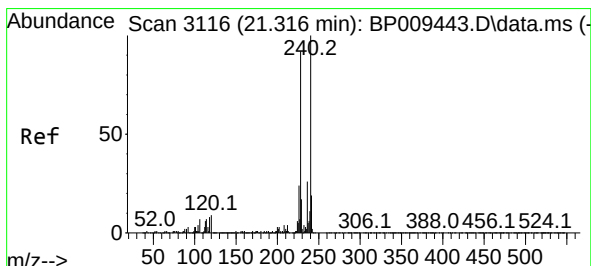
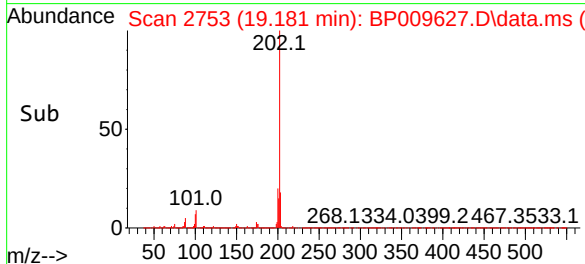
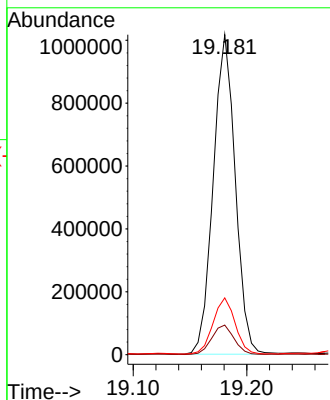
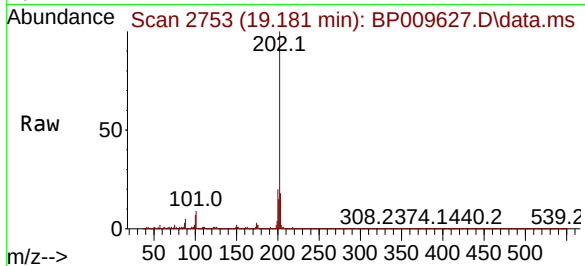




#75
Fluoranthene
Concen: 21.890 ng
RT: 19.181 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP009627.D
Acq: 30 Mar 2022 19:54

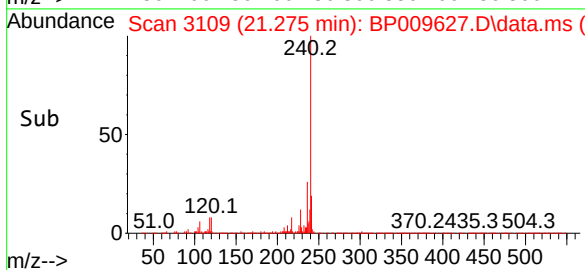
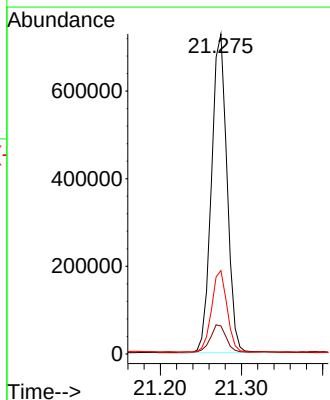
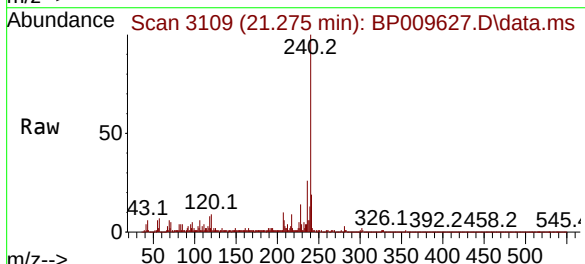
Instrument :
BNA_P
ClientSampleId :
22L076-C

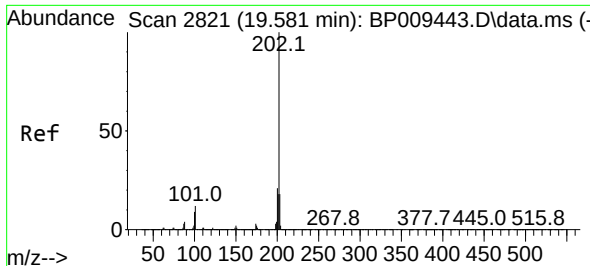
Tgt Ion:202 Resp: 1368821
Ion Ratio Lower Upper
202 100
101 9.3 0.0 31.5
203 17.8 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.275 min Scan# 3109
Delta R.T. 0.000 min
Lab File: BP009627.D
Acq: 30 Mar 2022 19:54

Tgt Ion:240 Resp: 967895
Ion Ratio Lower Upper
240 100
120 8.8 9.0 13.4#
236 26.1 20.6 30.8

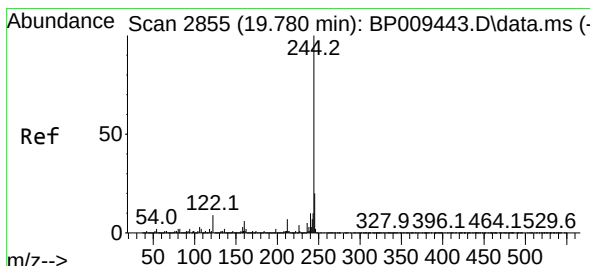
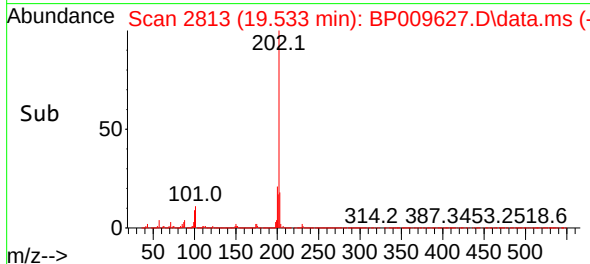
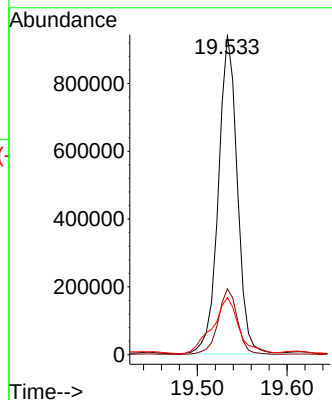
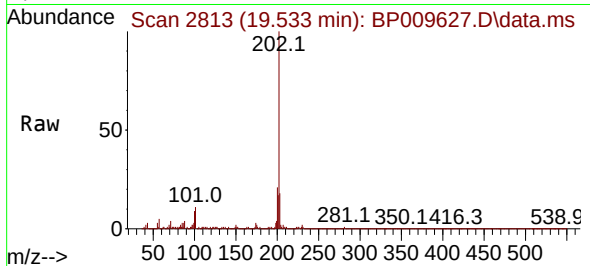




#78
 Pyrene
 Concen: 21.604 ng
 RT: 19.533 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BP009627.D
 Acq: 30 Mar 2022 19:54

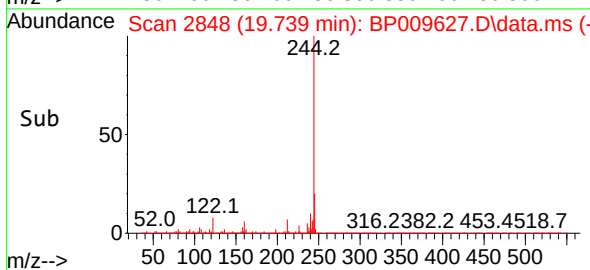
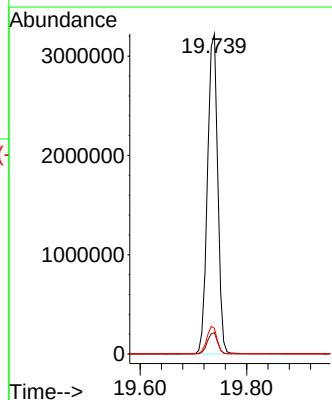
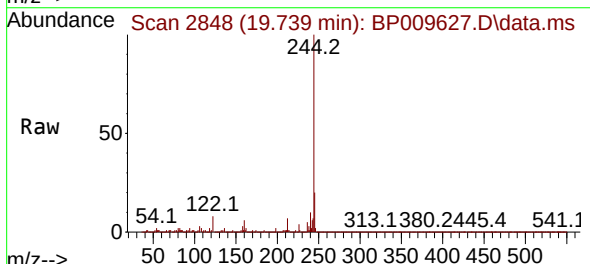
Instrument :
 BNA_P
 ClientSampleId :
 22L076-C

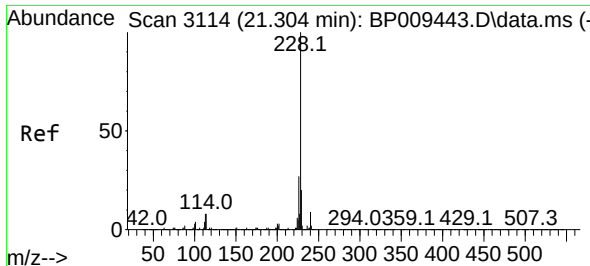
Tgt Ion:202 Resp: 1377929
 Ion Ratio Lower Upper
 202 100
 200 20.6 16.8 25.2
 203 17.9 14.2 21.4



#79
 Terphenyl-d14
 Concen: 79.603 ng
 RT: 19.739 min Scan# 2848
 Delta R.T. 0.000 min
 Lab File: BP009627.D
 Acq: 30 Mar 2022 19:54

Tgt Ion:244 Resp: 4292586
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.8 8.6
 122 8.1 8.3 12.5#

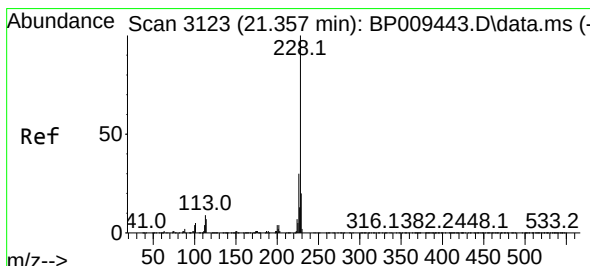
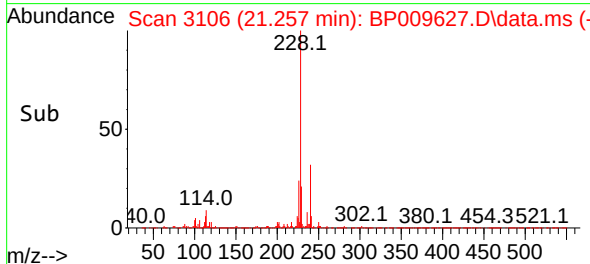
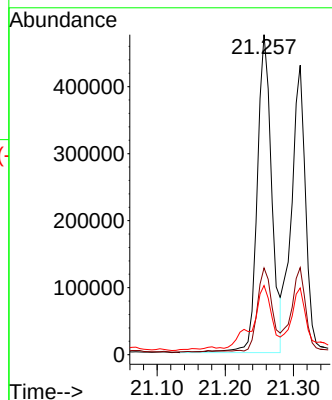
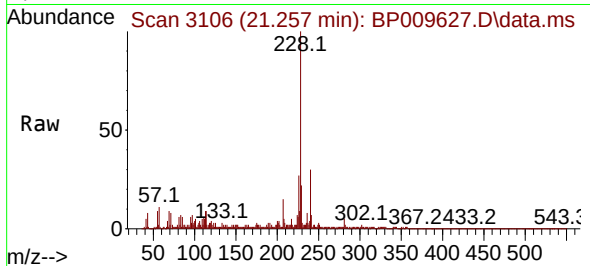




#81
Benzo(a)anthracene
Concen: 10.933 ng
RT: 21.257 min Scan# 3110
Delta R.T. -0.006 min
Lab File: BP009627.D
Acq: 30 Mar 2022 19:54

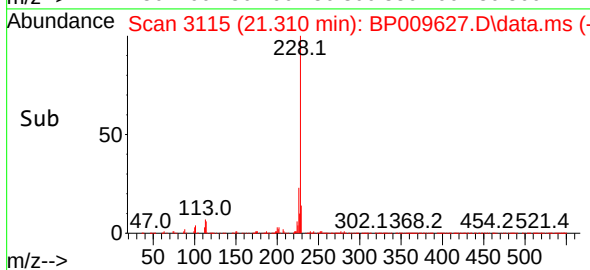
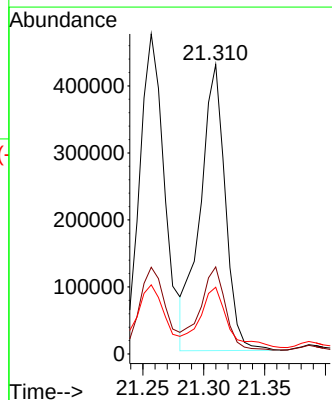
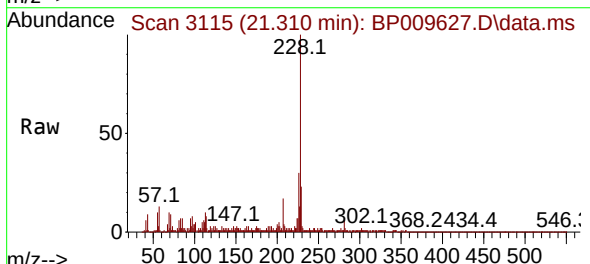
Instrument :
BNA_P
ClientSampleId :
22L076-C

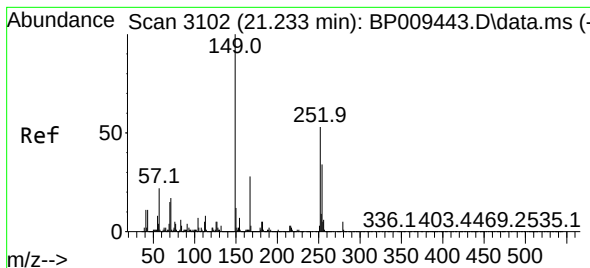
Tgt Ion:228 Resp: 695203
Ion Ratio Lower Upper
228 100
226 27.1 22.0 33.0
229 21.6 16.1 24.1



#83
Chrysene
Concen: 10.205 ng
RT: 21.310 min Scan# 3115
Delta R.T. 0.000 min
Lab File: BP009627.D
Acq: 30 Mar 2022 19:54

Tgt Ion:228 Resp: 614485
Ion Ratio Lower Upper
228 100
226 30.1 24.2 36.2
229 23.1 16.1 24.1

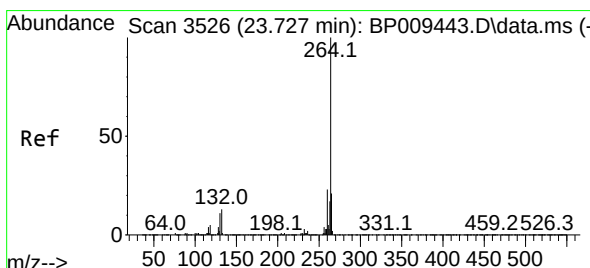
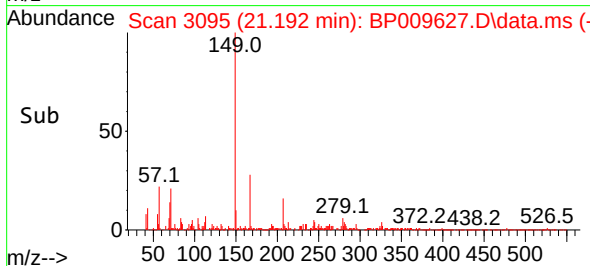
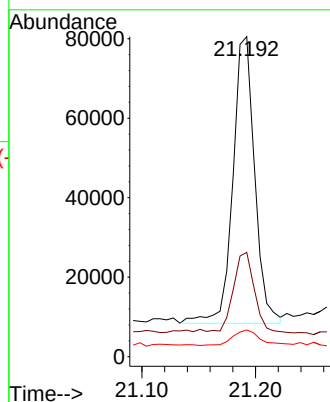
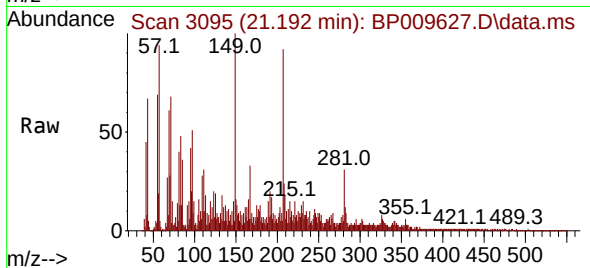




#84
 Bis(2-ethylhexyl)phthalate
 Concen: 2.550 ng
 RT: 21.192 min Scan# 3095
 Delta R.T. 0.000 min
 Lab File: BP009627.D
 Acq: 30 Mar 2022 19:54

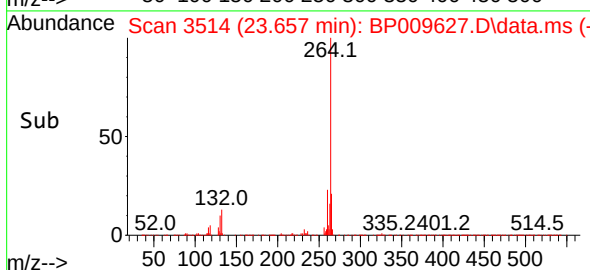
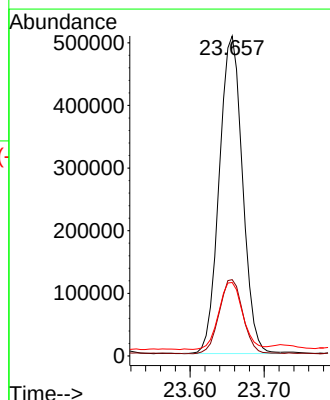
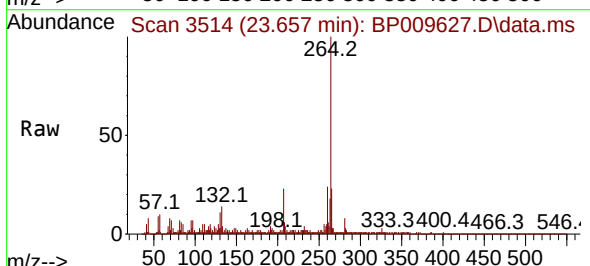
Instrument :
 BNA_P
 ClientSampleId :
 22L076-C

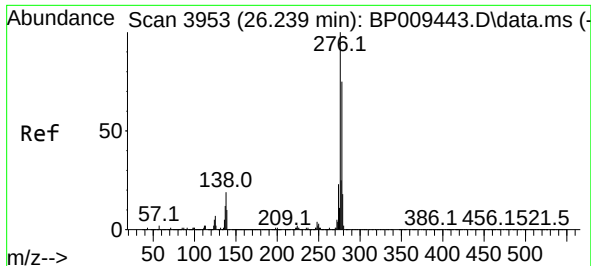
Tgt Ion:149 Resp: 96372
 Ion Ratio Lower Upper
 149 100
 167 32.6 22.6 33.8
 279 8.4 3.8 5.6#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 23.657 min Scan# 3514
 Delta R.T. 0.006 min
 Lab File: BP009627.D
 Acq: 30 Mar 2022 19:54

Tgt Ion:264 Resp: 1104533
 Ion Ratio Lower Upper
 264 100
 260 23.8 19.4 29.0
 265 22.9 17.2 25.8

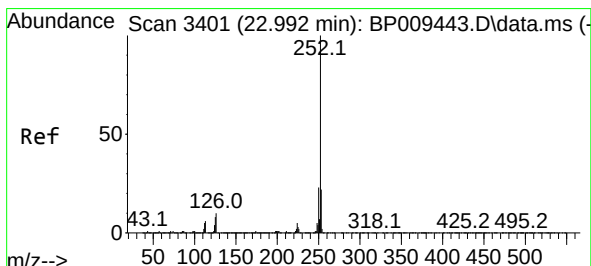
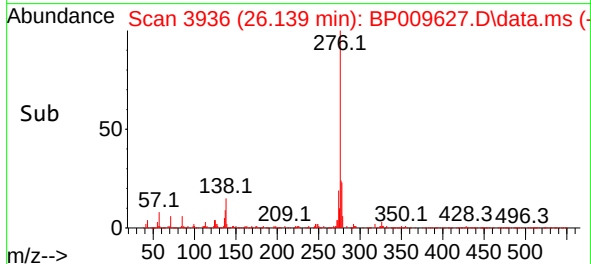
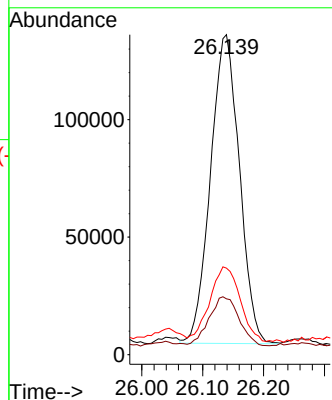
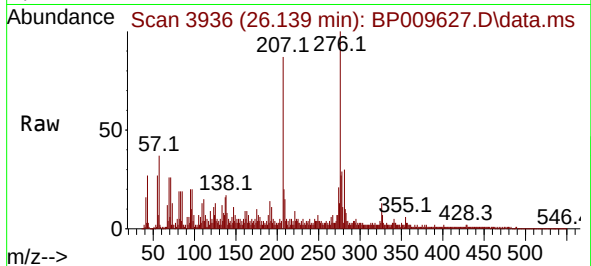




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 5.170 ng
 RT: 26.139 min Scan# 3391
 Delta R.T. 0.000 min
 Lab File: BP009627.D
 Acq: 30 Mar 2022 19:54

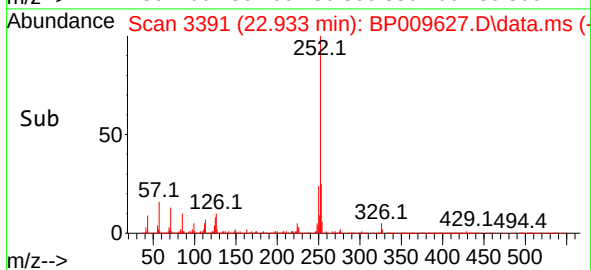
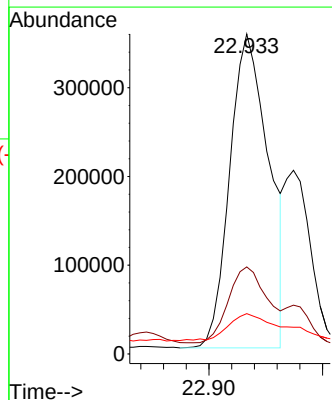
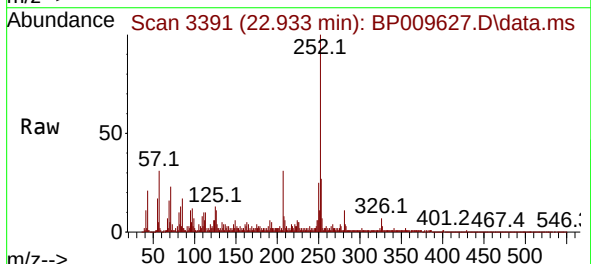
Instrument :
 BNA_P
 ClientSampleId :
 22L076-C

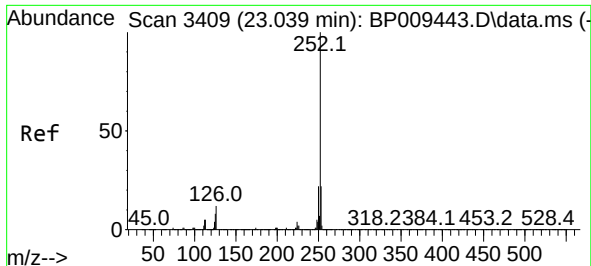
Tgt Ion:276 Resp: 433204
 Ion Ratio Lower Upper
 276 100
 138 16.5 20.5 30.7#
 277 25.2 20.4 30.6



#88
 Benzo(b)fluoranthene
 Concen: 12.790 ng
 RT: 22.933 min Scan# 3391
 Delta R.T. 0.006 min
 Lab File: BP009627.D
 Acq: 30 Mar 2022 19:54

Tgt Ion:252 Resp: 843329
 Ion Ratio Lower Upper
 252 100
 253 27.2 17.8 26.8#
 125 12.6 8.1 12.1#

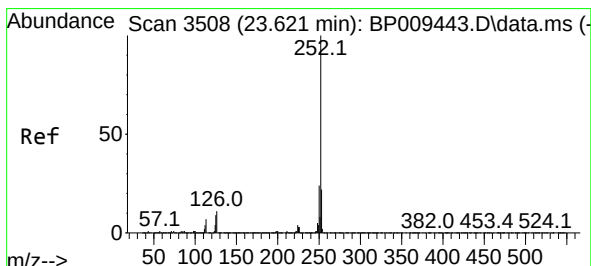
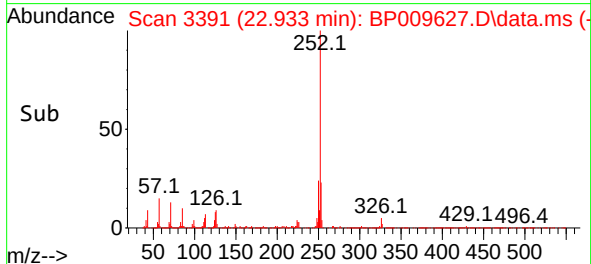
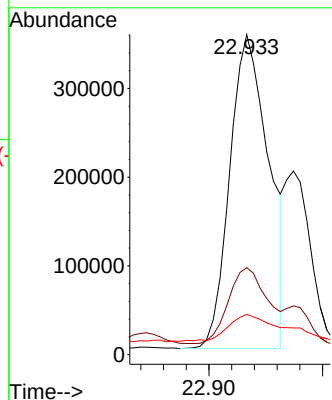
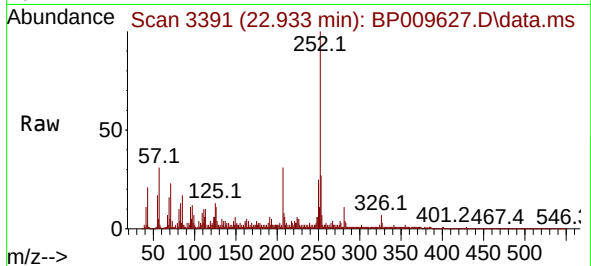




#89
Benzo(k)fluoranthene
Concen: 13.063 ng
RT: 22.933 min Scan# 31
Delta R.T. -0.047 min
Lab File: BP009627.D
Acq: 30 Mar 2022 19:54

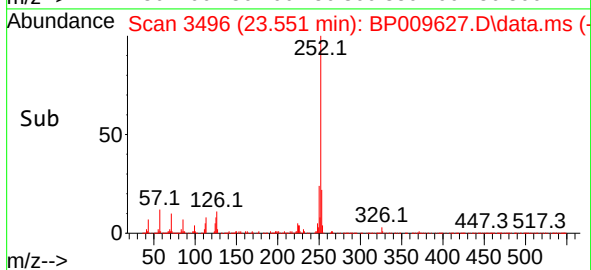
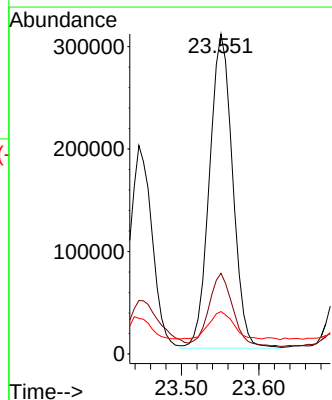
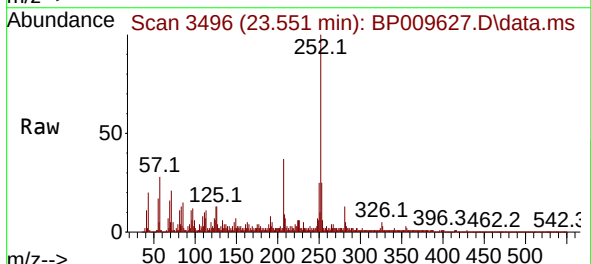
Instrument :
BNA_P
ClientSampleId :
22L076-C

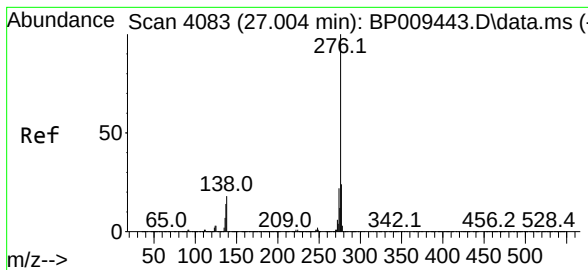
Tgt Ion:252 Resp: 843329
Ion Ratio Lower Upper
252 100
253 27.2 17.5 26.3#
125 12.6 8.3 12.5#



#90
Benzo(a)pyrene
Concen: 11.305 ng
RT: 23.551 min Scan# 3496
Delta R.T. 0.000 min
Lab File: BP009627.D
Acq: 30 Mar 2022 19:54

Tgt Ion:252 Resp: 637792
Ion Ratio Lower Upper
252 100
253 25.2 17.8 26.6
125 13.3 9.3 13.9





#92
 Benzo(g,h,i)perylene
 Concen: 6.575 ng
 RT: 26.898 min Scan# 4065
 Delta R.T. 0.000 min
 Lab File: BP009627.D
 Acq: 30 Mar 2022 19:54

Instrument :
 BNA_P
 ClientSampleId :
 22L076-C

Tgt Ion:	276	Resp:	451755
Ion	Ratio	Lower	Upper
276	100		
277	26.9	19.2	28.8
138	18.8	18.0	27.0

